

### AABG Series

#### Features

- Qualified to AEC-Q200.
- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels.
- Metallization on Ferrite Core results in excellent shock resistance and damage-free durability.
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference(EMI) .
- 35% high current rating than conventional inductors of equal size.
- Takes up less PCB real estate and save more power.
- RoHS compliance.

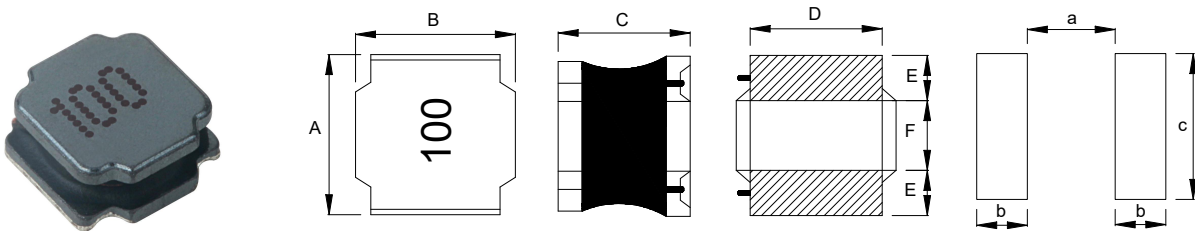
#### Applications

- LED Lighting
- Next-generation mobile devices with multifunction such as adding color TV and digital movie cameras
- Flat-screen TVs,blue-ray disc recorders set top box
- Notebooks,desktop computers,servers,graphic cards
- Portable gaming devices,personal navigation systems,personal multimedia devices

#### Test Equipment and Conditions

- Inductance is measured with IM3536 LCR meter or equivalent.
- Operating temperature range -40°C to +125°C.(Including self - temperature rise).
- DC current(Irms)that will cause an approximate  $\Delta T$  of 40°C.
- DC current(Isat)that will cause L0 to drop approximately 35%.

#### External dimensions (Unit:m/m)



| Type      | A       | B       | C       | D Typ. | E Typ. | F Typ. | a Typ. | b Typ. | c Typ. | Q'TY/Reel |
|-----------|---------|---------|---------|--------|--------|--------|--------|--------|--------|-----------|
| AABG03A10 | 3.0±0.2 | 3.0±0.2 | 1.1Max  | 2.5    | 0.9    | 1.2    | 0.9    | 1.2    | 2.8    | 2000      |
| AABG03A12 | 3.0±0.2 | 3.0±0.2 | 1.25Max | 2.9    | 0.9    | 1.2    | 0.9    | 1.2    | 3.1    | 2000      |
| AABG03A15 | 3.0±0.2 | 3.0±0.2 | 1.5Max  | 2.55   | 0.9    | 1.2    | 0.9    | 1.2    | 3.1    | 2000      |
| AABG04A10 | 4.0±0.2 | 4.0±0.2 | 1.1Max  | 3.5    | 1.2    | 1.6    | 1.2    | 1.5    | 3.8    | 4500      |
| AABG04A12 | 4.0±0.2 | 4.0±0.2 | 1.3Max  | 3.5    | 1.2    | 1.6    | 1.3    | 1.5    | 3.8    | 4500      |
| AABG04A18 | 4.0±0.2 | 4.0±0.2 | 1.8Max  | 3.5    | 1.2    | 1.6    | 1.2    | 1.5    | 3.8    | 3000      |
| AABG04A20 | 4.0±0.2 | 4.0±0.2 | 2.0Max  | 3.5    | 1.2    | 1.6    | 1.2    | 1.5    | 3.8    | 3000      |
| AABG04A26 | 4.0±0.2 | 4.0±0.2 | 2.6Max  | 3.5    | 1.2    | 1.6    | 1.2    | 1.5    | 3.8    | 3000      |
| AABG04A30 | 4.0±0.2 | 4.0±0.2 | 3.0Max  | 3.5    | 1.35   | 1.3    | 1.0    | 1.65   | 3.8    | 2000      |
| AABG04A35 | 4.0±0.2 | 4.0±0.2 | 3.5Max  | 3.3    | 0.95   | 2.1    | 1.9    | 1.1    | 3.7    | 2000      |
| AABG05A12 | 5.0±0.2 | 5.0±0.2 | 1.3Max  | 4.0    | 1.5    | 2.0    | 1.7    | 1.8    | 4.3    | 4500      |
| AABG05A20 | 5.0±0.2 | 5.0±0.2 | 2.0Max  | 4.0    | 1.35   | 2.3    | 2.0    | 1.65   | 4.3    | 2500      |
| AABG05A40 | 5.0±0.2 | 5.0±0.2 | 4.0Max  | 4.0    | 1.5    | 2.0    | 1.7    | 1.8    | 4.3    | 1500      |
| AABG05A45 | 5.0±0.2 | 5.0±0.2 | 4.5Max  | 4.0    | 1.5    | 2.0    | 1.7    | 1.8    | 4.3    | 1500      |
| AABG06A10 | 6.0±0.3 | 6.0±0.3 | 1.1Max  | 4.9    | 1.65   | 2.7    | 2.4    | 1.95   | 5.2    | 2500      |
| AABG06A12 | 6.0±0.3 | 6.0±0.3 | 1.3Max  | 4.9    | 1.65   | 2.7    | 2.4    | 1.95   | 5.2    | 2500      |
| AABG06A20 | 6.0±0.3 | 6.0±0.3 | 2.0Max  | 4.9    | 1.65   | 2.7    | 2.4    | 1.95   | 5.2    | 2500      |
| AABG06A28 | 6.0±0.3 | 6.0±0.3 | 2.8Max  | 4.9    | 1.65   | 2.7    | 2.4    | 1.95   | 5.2    | 2000      |
| AABG06A40 | 6.0±0.3 | 6.0±0.3 | 4.0Max  | 4.9    | 1.65   | 2.7    | 2.4    | 1.95   | 5.2    | 2000      |
| AABG06A45 | 6.0±0.3 | 6.0±0.3 | 4.5Max  | 4.9    | 1.65   | 2.7    | 2.4    | 1.95   | 5.2    | 1500      |
| AABG06A55 | 6.0±0.3 | 6.0±0.3 | 5.7Max  | 4.9    | 1.65   | 2.7    | 2.4    | 1.95   | 5.2    | 1000      |
| AABG08A40 | 8.0±0.3 | 8.0±0.3 | 4.2Max  | 6.3    | 2.45   | 3.1    | 2.8    | 2.75   | 6.6    | 1000      |
| AABG08A50 | 8.0±0.3 | 8.0±0.3 | 5.0Max  | 6.3    | 2.45   | 3.1    | 2.8    | 2.75   | 6.6    | 700       |
| AABG08A60 | 8.0±0.3 | 8.0±0.3 | 6.0Max  | 6.3    | 2.45   | 3.1    | 2.8    | 2.75   | 6.6    | 700       |
| AABG08A65 | 8.0±0.3 | 8.0±0.3 | 6.8Max  | 6.3    | 2.45   | 3.1    | 2.8    | 2.75   | 6.6    | 700       |

### Part Number Code

AABG   03   A   10   M   1R0  
 A        B        C        D        E        F

A: Series Name                      Power Inductors  
 B: Dimensions(mm)                03: 3.0×3.0  
 C: Materials                         A Type  
 D: Thickness(mm)                 10: 1.1 Max  
 E: Tolerance                         M: ±20%    N: ±30%  
 F: Inductance                        1R0=1.0uH

### AABG Series

| Part Number   | Inductance(μH)<br>@100KHz/1V | DC<br>Resistance<br>(Ω)±30% | Self-Resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|---------------|------------------------------|-----------------------------|--|---|--|
| AABG03A10M1R0 | 1.0                          | 0.063                       | 180                                      | 1.49                                    | 1.44                                   |
| AABG03A10M1R2 | 1.2                          | 0.065                       | 137                                      | 1.45                                    | 1.25                                   |
| AABG03A10M1R5 | 1.5                          | 0.077                       | 120                                      | 1.34                                    | 1.31                                   |
| AABG03A10M2R2 | 2.2                          | 0.106                       | 100                                      | 1.12                                    | 1.18                                   |
| AABG03A10M2R7 | 2.7                          | 0.125                       | 90                                       | 1.05                                    | 1.03                                   |
| AABG03A10M3R3 | 3.3                          | 0.139                       | 74                                       | 0.99                                    | 1.00                                   |
| AABG03A12NR22 | 0.22                         | 0.017                       | 321                                      | 3.00                                    | 5.30                                   |
| AABG03A12NR82 | 0.82                         | 0.029                       | 180                                      | 2.54                                    | 2.11                                   |
| AABG03A12M1R0 | 1.0                          | 0.039                       | 120                                      | 2.27                                    | 1.93                                   |
| AABG03A12M1R2 | 1.2                          | 0.043                       | 120                                      | 2.07                                    | 2.29                                   |
| AABG03A12M1R5 | 1.5                          | 0.043                       | 110                                      | 2.07                                    | 1.67                                   |
| AABG03A12M1R8 | 1.8                          | 0.053                       | 90                                       | 1.90                                    | 1.56                                   |
| AABG03A12M2R2 | 2.2                          | 0.072                       | 84                                       | 1.60                                    | 1.24                                   |
| AABG03A12M2R4 | 2.4                          | 0.065                       | 80                                       | 1.55                                    | 1.18                                   |
| AABG03A12M2R7 | 2.7                          | 0.081                       | 65                                       | 1.52                                    | 1.17                                   |
| AABG03A12M3R3 | 3.3                          | 0.096                       | 64                                       | 1.40                                    | 1.08                                   |
| AABG03A12M3R6 | 3.6                          | 0.100                       | 36                                       | 1.36                                    | 1.05                                   |
| AABG03A12M3R9 | 3.9                          | 0.145                       | 61                                       | 1.24                                    | 1.00                                   |
| AABG03A12M4R7 | 4.7                          | 0.116                       | 61                                       | 1.24                                    | 0.93                                   |
| AABG03A12M6R8 | 6.8                          | 0.183                       | 61                                       | 1.01                                    | 0.77                                   |
| AABG03A15NR50 | 0.5                          | 0.030                       | 162                                      | 2.6                                     | 3.9                                    |
| AABG03A15NR68 | 0.68                         | 0.035                       | 152                                      | 2.65                                    | 2.65                                   |
| AABG03A15M1R0 | 1.0                          | 0.036                       | 150                                      | 2.35                                    | 2.37                                   |
| AABG03A15M1R2 | 1.2                          | 0.039                       | 110                                      | 2.01                                    | 2.28                                   |
| AABG03A15M1R5 | 1.5                          | 0.048                       | 100                                      | 1.75                                    | 2.37                                   |
| AABG03A15M1R8 | 1.8                          | 0.048                       | 92                                       | 1.75                                    | 1.80                                   |
| AABG03A15M2R2 | 2.2                          | 0.058                       | 86                                       | 1.65                                    | 1.65                                   |
| AABG03A15M2R7 | 2.7                          | 0.072                       | 64                                       | 1.47                                    | 1.57                                   |
| AABG03A15M3R3 | 3.3                          | 0.080                       | 68                                       | 1.40                                    | 1.36                                   |
| AABG03A15M3R6 | 3.6                          | 0.101                       | 59                                       | 1.24                                    | 1.32                                   |
| AABG03A15M3R9 | 3.9                          | 0.105                       | 47                                       | 1.20                                    | 1.20                                   |
| AABG03A15M4R3 | 4.3                          | 0.110                       | 53                                       | 1.17                                    | 1.24                                   |

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|---------------|------------------------------------|--|--|---|--|
| AABG03A15M4R7 | 4.7                                | 0.120                                      | 46                                       | 1.12  | 1.13   |
| AABG03A15M5R1 | 5.1                                | 0.120                                      | 49                                       | 1.12  | 1.11   |
| AABG03A15M6R2 | 6.2                                | 0.187                                      | 46                                       | 0.89  | 1.03   |
| AABG03A15M6R8 | 6.8                                | 0.193                                      | 39                                       | 0.88  | 0.88   |
| AABG03A15M100 | 10.0                               | 0.241                                      | 41                                       | 0.79  | 0.74   |
| AABG03A15M120 | 12.0                               | 0.308                                      | 32                                       | 0.70  | 0.72   |
| AABG03A15M150 | 15.0                               | 0.337                                      | 30                                       | 0.67  | 0.68   |
| AABG04A10M1R0 | 1.0                                | 54.32                                      | 116                                      | 1.95  | 2.06   |
| AABG04A10M1R5 | 1.5                                | 67.90                                      | 94                                       | 1.75  | 1.73   |
| AABG04A10M2R2 | 2.2                                | 82.45                                      | 73                                       | 1.54  | 1.23   |
| AABG04A10M3R3 | 3.3                                | 97.00                                      | 58                                       | 1.44  | 1.13   |
| AABG04A10M4R7 | 4.7                                | 135.8                                      | 47                                       | 1.23  | 0.97   |
| AABG04A10M6R8 | 6.8                                | 194.0                                      | 38                                       | 1.03  | 0.82   |
| AABG04A10M100 | 10.0                               | 291.0                                      | 31                                       | 0.77  | 0.63   |
| AABG04A10M150 | 15.0                               | 417.1                                      | 24                                       | 0.61  | 0.55   |
| AABG04A10M220 | 22.0                               | 552.9                                      | 19                                       | 0.51  | 0.46   |
| AABG04A12NR82 | 0.82                               | 0.048                                      | 150                                      | 1.70  | 3.64   |
| AABG04A12M1R0 | 1.0                                | 0.050                                      | 120                                      | 1.65  | 2.61   |
| AABG04A12M1R5 | 1.5                                | 0.062                                      | 90                                       | 1.50  | 2.16   |
| AABG04A12M1R8 | 1.8                                | 0.077                                      | 88                                       | 1.36  | 2.54   |
| AABG04A12M2R2 | 2.2                                | 0.077                                      | 74                                       | 1.36  | 1.81   |
| AABG04A12M2R7 | 2.7                                | 0.087                                      | 71                                       | 1.29  | 1.96   |
| AABG04A12M3R3 | 3.3                                | 0.108                                      | 60                                       | 1.15  | 1.72   |
| AABG04A12M3R6 | 3.6                                | 0.106                                      | 57                                       | 1.15  | 1.24   |
| AABG04A12M4R3 | 4.3                                | 0.135                                      | 54                                       | 1.03  | 1.80   |
| AABG04A12M4R7 | 4.7                                | 0.120                                      | 50                                       | 1.08  | 1.18   |
| AABG04A12M5R1 | 5.1                                | 0.149                                      | 50                                       | 0.98  | 1.25   |
| AABG04A12M5R6 | 5.6                                | 0.140                                      | 42                                       | 1.00  | 1.00   |
| AABG04A12M6R8 | 6.8                                | 0.190                                      | 40                                       | 0.87  | 0.98   |
| AABG04A12M100 | 10.0                               | 0.255                                      | 33                                       | 0.79  | 0.82   |
| AABG04A12M120 | 12.0                               | 0.279                                      | 32                                       | 0.72  | 0.68   |
| AABG04A12M150 | 15.0                               | 0.327                                      | 25                                       | 0.66  | 0.58   |
| AABG04A12M180 | 18.0                               | 0.453                                      | 23                                       | 0.57  | 0.57   |
| AABG04A12M220 | 22.0                               | 0.453                                      | 20                                       | 0.57  | 0.56   |
| AABG04A12M270 | 27.0                               | 0.693                                      | 18                                       | 0.46  | 0.52   |
| AABG04A12M330 | 33.0                               | 0.780                                      | 17                                       | 0.43  | 0.43   |
| AABG04A18NR47 | 0.47                               | 0.014                                      | 155                                      | 4.00  | 4.30   |
| AABG04A18NR68 | 0.68                               | 0.020                                      | 128                                      | 3.30  | 4.90   |
| AABG04A18M1R0 | 1.0                                | 0.024                                      | 80                                       | 2.06  | 4.90   |
| AABG04A18M1R5 | 1.5                                | 0.030                                      | 65                                       | 1.80  | 3.35   |
| AABG04A18M1R8 | 1.8                                | 0.034                                      | 54                                       | 2.00  | 3.00   |

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|---------------|------------------------------------|--|--|---|--|
| AABG04A18M2R2 | 2.2                                | 0.045                                      | 52                                       | 1.65  | 2.70   |
| AABG04A18M2R2 | 2.2                                | 0.043                                      | 52                                       | 2.20  | 3.00   |
| AABG04A18M3R3 | 3.3                                | 0.067                                      | 44                                       | 1.27  | 2.52   |
| AABG04A18M4R7 | 4.7                                | 0.087                                      | 34                                       | 1.24  | 2.00   |
| AABG04A18M6R8 | 6.8                                | 0.106                                      | 29                                       | 1.09  | 1.49   |
| AABG04A18M100 | 10.0                               | 0.173                                      | 24                                       | 0.87  | 1.34   |
| AABG04A18M150 | 15.0                               | 0.241                                      | 19                                       | 0.67  | 0.97   |
| AABG04A18M220 | 22.0                               | 0.347                                      | 16                                       | 0.61  | 0.82   |
| AABG04A18M330 | 33.0                               | 0.510                                      | 12                                       | 0.50  | 0.67   |
| AABG04A18M470 | 47.0                               | 0.626                                      | 10                                       | 0.43  | 0.59   |
| AABG04A20NR24 | 0.24                               | 0.011                                      | 283                                      | 4.50  | 10.5   |
| AABG04A20NR33 | 0.33                               | 0.013                                      | 223                                      | 3.30  | 7.50   |
| AABG04A20NR47 | 0.47                               | 0.022                                      | 160                                      | 3.30  | 7.00   |
| AABG04A20NR68 | 0.68                               | 0.028                                      | 120                                      | 2.8   | 6.4  |
| AABG04A20M1R0 | 1.0                                | 0.027                                      | 75                                       | 2.21  | 5.00   |
| AABG04A20M1R2 | 1.2                                | 0.027                                      | 72                                       | 2.21  | 5.25   |
| AABG04A20M1R5 | 1.5                                | 0.035                                      | 71                                       | 2.04  | 4.45   |
| AABG04A20M2R2 | 2.2                                | 0.039                                      | 49                                       | 1.91  | 3.50   |
| AABG04A20M3R3 | 3.3                                | 0.067                                      | 44                                       | 1.44  | 3.30   |
| AABG04A20M3R6 | 3.6                                | 0.053                                      | 49                                       | 1.59  | 2.88   |
| AABG04A20M4R7 | 4.7                                | 0.072                                      | 42                                       | 1.38  | 2.42   |
| AABG04A20M5R1 | 5.1                                | 0.081                                      | 42                                       | 1.31  | 2.37   |
| AABG04A20M5R6 | 5.6                                | 0.087                                      | 30                                       | 1.26  | 2.27   |
| AABG04A20M6R2 | 6.2                                | 0.110                                      | 36                                       | 1.11  | 2.21   |
| AABG04A20M6R8 | 6.8                                | 0.125                                      | 33                                       | 1.07  | 2.20   |
| AABG04A20M7R5 | 7.5                                | 0.110                                      | 30                                       | 1.11  | 1.91   |
| AABG04A20M8R2 | 8.2                                | 0.120                                      | 27                                       | 1.07  | 1.80   |
| AABG04A20M100 | 10.0                               | 0.165                                      | 26                                       | 0.93  | 1.65   |
| AABG04A20M120 | 12.0                               | 0.168                                      | 26                                       | 0.91  | 1.55   |
| AABG04A20M150 | 15.0                               | 0.221                                      | 24                                       | 0.79  | 1.39   |
| AABG04A20M220 | 22.0                               | 0.337                                      | 15                                       | 0.64  | 1.08   |
| AABG04A20M270 | 27.0                               | 0.524                                      | 14                                       | 0.52  | 1.05   |
| AABG04A20M330 | 33.0                               | 0.530                                      | 11                                       | 0.50  | 0.88   |
| AABG04A20M390 | 39.0                               | 0.626                                      | 11                                       | 0.47  | 0.84   |
| AABG04A20M430 | 43.0                               | 0.636                                      | 10                                       | 0.46  | 0.79   |
| AABG04A20M470 | 47.0                               | 0.684                                      | 10                                       | 0.45  | 0.76   |
| AABG04A26M1R0 | 1.0                                | 0.023                                      | 151                                      | 3.09  | 3.39   |
| AABG04A26M1R2 | 1.2                                | 0.029                                      | 120                                      | 2.36  | 3.19   |
| AABG04A26M1R5 | 1.5                                | 0.039                                      | 100                                      | 2.36  | 2.47   |
| AABG04A26M2R2 | 2.2                                | 0.039                                      | 96                                       | 2.06  | 2.16   |
| AABG04A26M3R3 | 3.3                                | 0.048                                      | 58                                       | 1.75  | 1.85   |

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|---------------|------------------------------------|--|--|---|--|
| AABG04A26M4R7 | 4.7                                | 0.053                                      | 46                                       | 1.64  | 1.49   |
| AABG04A26M6R8 | 6.8                                | 0.063                                      | 33                                       | 1.54  | 1.33   |
| AABG04A26M100 | 10.0                               | 0.082                                      | 26                                       | 1.33  | 1.03   |
| AABG04A26M150 | 15.0                               | 0.107                                      | 19                                       | 1.13  | 0.92   |
| AABG04A26M220 | 22.0                               | 0.160                                      | 13                                       | 0.92  | 0.62   |
| AABG04A26M330 | 33.0                               | 0.262                                      | 9  | 0.72  | 0.56   |
| AABG04A26M470 | 47.0                               | 0.291                                      | 6  | 0.67  | 0.41   |
| AABG04A30NR47 | 0.47                               | 0.008                                      | 184                                      | 5.20  | 7.80   |
| AABG04A30NR68 | 0.68                               | 0.010                                      | 130                                      | 4.56  | 6.80   |
| AABG04A30NR91 | 0.91                               | 0.021                                      | 100                                      | 3.24  | 6.44   |
| AABG04A30M1R0 | 1.0                                | 0.018                                      | 70                                       | 4.15  | 5.26   |
| AABG04A30M1R2 | 1.2                                | 0.024                                      | 80                                       | 3.05  | 5.97   |
| AABG04A30M1R5 | 1.5                                | 0.029                                      | 62                                       | 3.01  | 4.99   |
| AABG04A30M1R8 | 1.8                                | 0.029                                      | 60                                       | 3.01  | 5.56   |
| AABG04A30M2R2 | 2.2                                | 0.033                                      | 52                                       | 2.65  | 4.90   |
| AABG04A30M3R3 | 3.3                                | 0.039                                      | 38                                       | 2.47  | 3.40   |
| AABG04A30M3R6 | 3.6                                | 0.040                                      | 37                                       | 2.40  | 3.00   |
| AABG04A30M3R9 | 3.9                                | 0.057                                      | 32                                       | 2.10  | 3.00   |
| AABG04A30M4R3 | 4.3                                | 0.053                                      | 37                                       | 2.16  | 3.04   |
| AABG04A30M4R7 | 4.7                                | 0.058                                      | 31                                       | 2.06  | 2.99   |
| AABG04A30M5R6 | 5.6                                | 0.065                                      | 30                                       | 2.01  | 2.45   |
| AABG04A30M6R2 | 6.2                                | 0.067                                      | 29                                       | 1.91  | 2.58   |
| AABG04A30M6R8 | 6.8                                | 0.087                                      | 24                                       | 1.65  | 2.83   |
| AABG04A30M7R5 | 7.5                                | 0.081                                      | 26                                       | 1.70  | 2.27   |
| AABG04A30M8R2 | 8.2                                | 0.087                                      | 26                                       | 1.65  | 2.16   |
| AABG04A30M9R1 | 9.1                                | 0.091                                      | 23                                       | 1.60  | 2.06   |
| AABG04A30M100 | 10.0                               | 0.100                                      | 21                                       | 1.55  | 2.01   |
| AABG04A30M120 | 12.0                               | 0.130                                      | 18                                       | 1.34  | 1.75   |
| AABG04A30M150 | 15.0                               | 0.190                                      | 16                                       | 1.14  | 1.70   |
| AABG04A30M180 | 18.0                               | 0.193                                      | 10                                       | 1.13  | 1.44   |
| AABG04A30M220 | 22.0                               | 0.225                                      | 10                                       | 1.03  | 1.34   |
| AABG04A30M330 | 33.0                               | 0.318                                      | 10                                       | 0.84  | 1.13   |
| AABG04A30M360 | 36.0                               | 0.322                                      | 9.8                                      | 0.85  | 1.08   |
| AABG04A30M390 | 39.0                               | 0.419                                      | 10                                       | 0.75  | 1.06   |
| AABG04A30M430 | 43.0                               | 0.424                                      | 9.2                                      | 0.75  | 1.03   |
| AABG04A30M470 | 47.0                               | 0.428                                      | 8.4                                      | 0.74  | 0.98   |
| AABG04A30M510 | 51.0                               | 0.453                                      | 8.4                                      | 0.72  | 0.93   |
| AABG04A30M560 | 56.0                               | 0.534                                      | 8.4                                      | 0.67  | 0.88   |
| AABG04A30M620 | 62.0                               | 0.798                                      | 7.0                                      | 0.55  | 0.82   |
| AABG04A30M680 | 68.0                               | 0.836                                      | 7.0                                      | 0.54  | 0.77   |
| AABG04A30M750 | 75.0                               | 0.982                                      | 6.3                                      | 0.49  | 0.72   |

### AABG Series

| Part Number   | Inductance( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm$ 30% | Self-Resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>I <sub>rms</sub> (A) Max. | Saturation<br>Current<br>I <sub>sat</sub> (A) Max. |
|---------------|------------------------------------|--|--|---|--|
| AABG04A30M820 | 82.0                               | 1.021                                      | 5.6                                      | 0.48  | 0.68   |
| AABG04A30M910 | 91.0                               | 1.059                                      | 5.6                                      | 0.47  | 0.67   |
| AABG04A30M101 | 100.0                              | 1.107                                      | 5.6                                      | 0.46  | 0.62   |
| AABG04A30M121 | 120.0                              | 1.300                                      | 5.4                                      | 0.43  | 0.57   |
| AABG04A30M151 | 150.0                              | 1.800                                      | 4  | 0.30  | 0.50   |
| AABG04A35NR47 | 0.47                               | 0.008                                      | 176                                      | 5.2   | 7.8  |
| AABG04A35NR68 | 0.68                               | 0.010                                      | 132                                      | 4.56  | 6.8  |
| AABG04A35M1R0 | 1.0                                | 0.018                                      | 76                                       | 3.90  | 6.39   |
| AABG04A35M1R2 | 1.2                                | 0.021                                      | 70                                       | 3.65  | 6.14   |
| AABG04A35M1R5 | 1.5                                | 0.024                                      | 62                                       | 3.34  | 5.53   |
| AABG04A35M1R8 | 1.8                                | 0.026                                      | 52                                       | 3.20  | 4.60   |
| AABG04A35M2R2 | 2.2                                | 0.030                                      | 52                                       | 3.04  | 4.41   |
| AABG04A35M3R3 | 3.3                                | 0.044                                      | 38                                       | 2.53  | 3.55   |
| AABG04A35M4R7 | 4.7                                | 0.062                                      | 31                                       | 2.13  | 3.04   |
| AABG04A35M6R8 | 6.8                                | 0.083                                      | 24                                       | 1.92  | 2.53   |
| AABG04A35M8R2 | 8.2                                | 0.082                                      | 26                                       | 1.82  | 2.13   |
| AABG04A35M100 | 10.0                               | 0.106                                      | 21                                       | 1.57  | 2.08   |
| AABG04A35M150 | 15.0                               | 0.175                                      | 16                                       | 1.26  | 1.67   |
| AABG04A35M220 | 22.0                               | 0.220                                      | 10                                       | 1.11  | 1.32   |
| AABG04A35M330 | 33.0                               | 0.320                                      | 10                                       | 0.91  | 1.11   |
| AABG04A35M470 | 47.0                               | 0.450                                      | 8.4                                      | 0.76  | 0.96   |
| AABG04A35M680 | 68.0                               | 0.833                                      | 7.0                                      | 0.55  | 0.76   |
| AABG04A35M101 | 100.0                              | 1.055                                      | 5.6                                      | 0.45  | 0.66   |
| AABG04A35M151 | 150.0                              | 1.740                                      | 4.0                                      | 0.35  | 0.55   |
| AABG05A12M1R0 | 1.0                                | 0.055                                      | 103                                      | 2.06  | 4.53   |
| AABG05A12M1R5 | 1.5                                | 0.070                                      | 68                                       | 1.95  | 3.81   |
| AABG05A12M2R2 | 2.2                                | 0.087                                      | 50                                       | 1.75  | 3.19   |
| AABG05A12M3R3 | 3.3                                | 0.122                                      | 34                                       | 1.44  | 2.47   |
| AABG05A12M4R7 | 4.7                                | 0.159                                      | 31                                       | 1.33  | 2.26   |
| AABG05A12M6R8 | 6.8                                | 0.238                                      | 22                                       | 1.03  | 1.75   |
| AABG05A12M100 | 10.0                               | 0.333                                      | 17                                       | 0.87  | 1.44   |
| AABG05A12M150 | 15.0                               | 0.422                                      | 13                                       | 0.82  | 1.23   |
| AABG05A12M220 | 22.0                               | 0.757                                      | 16                                       | 0.61  | 0.90   |
| AABG05A20NR22 | 0.22                               | 0.009                                      | 280                                      | 5.30  | 9.00   |
| AABG05A20NR24 | 0.24                               | 0.009                                      | 248                                      | 5.30  | 8.00   |
| AABG05A20NR47 | 0.47                               | 0.013                                      | 160                                      | 4.60  | 6.15   |
| AABG05A20NR56 | 0.56                               | 0.017                                      | 137                                      | 3.80  | 8.50   |
| AABG05A20NR68 | 0.68                               | 0.017                                      | 120                                      | 4.00  | 5.50   |
| AABG05A20NR75 | 0.75                               | 0.017                                      | 117                                      | 4.00  | 5.50   |
| AABG05A20M1R0 | 1.0                                | 0.020                                      | 97                                       | 3.81  | 4.46   |
| AABG05A20M1R2 | 1.2                                | 0.022                                      | 83                                       | 3.55  | 4.50   |

### AABG Series

| Part Number   | Inductance( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm$ 30% | Self-Resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>I <sub>rms</sub> (A) Max. | Saturation<br>Current<br>I <sub>sat</sub> (A) Max. |
|---------------|------------------------------------|--|--|---|--|
| AABG05A20M1R5 | 1.5                                | 0.026                                      | 80                                       | 3.30  | 3.97   |
| AABG05A20M2R2 | 2.2                                | 0.033                                      | 61                                       | 2.99  | 3.97   |
| AABG05A20M2R7 | 2.7                                | 0.038                                      | 52                                       | 2.70  | 2.90   |
| AABG05A20M3R0 | 3.0                                | 0.038                                      | 49                                       | 2.70  | 2.55   |
| AABG05A20M3R3 | 3.3                                | 0.042                                      | 46                                       | 2.47  | 3.25   |
| AABG05A20M3R6 | 3.6                                | 0.043                                      | 43                                       | 2.50  | 2.80   |
| AABG05A20M3R9 | 3.9                                | 0.043                                      | 40                                       | 2.50  | 2.30   |
| AABG05A20M4R3 | 4.3                                | 0.057                                      | 37                                       | 2.20  | 2.50   |
| AABG05A20M4R7 | 4.7                                | 0.057                                      | 33                                       | 2.20  | 2.50   |
| AABG05A20M5R1 | 5.1                                | 0.064                                      | 32                                       | 2.05  | 2.25   |
| AABG05A20M5R6 | 5.6                                | 0.064                                      | 32                                       | 2.05  | 2.30   |
| AABG05A20M6R8 | 6.8                                | 0.084                                      | 30                                       | 1.75  | 1.85   |
| AABG05A20M7R5 | 7.5                                | 0.090                                      | 26                                       | 1.75  | 1.85   |
| AABG05A20M8R2 | 8.2                                | 0.098                                      | 26                                       | 1.65  | 1.85   |
| AABG05A20M9R1 | 9.1                                | 0.110                                      | 24                                       | 1.55  | 1.70   |
| AABG05A20M100 | 10.0                               | 0.106                                      | 24                                       | 1.55  | 1.79   |
| AABG05A20M120 | 12.0                               | 0.140                                      | 22                                       | 1.40  | 1.50   |
| AABG05A20M150 | 15.0                               | 0.159                                      | 20                                       | 1.29  | 1.48   |
| AABG05A20M180 | 18.0                               | 0.200                                      | 16                                       | 1.15  | 1.25   |
| AABG05A20M220 | 22.0                               | 0.226                                      | 16                                       | 1.08  | 1.15   |
| AABG05A20M330 | 33.0                               | 0.356                                      | 13                                       | 0.85  | 1.00   |
| AABG05A20M470 | 47.0                               | 0.505                                      | 11                                       | 0.72  | 0.83   |
| AABG05A20M560 | 56.0                               | 0.630                                      | 6  | 0.70  | 0.77   |
| AABG05A20M680 | 68.0                               | 0.852                                      | 8.8                                      | 0.55  | 0.72   |
| AABG05A20M820 | 82.0                               | 0.890                                      | 6  | 0.50  | 0.65   |
| AABG05A20M101 | 100.0                              | 1.021                                      | 6  | 0.50  | 0.59   |
| AABG05A40NR22 | 0.22                               | 0.006                                      | 289                                      | 6.50  | 18.0   |
| AABG05A40NR24 | 0.24                               | 0.006                                      | 251                                      | 6.40  | 15.7   |
| AABG05A40NR47 | 0.47                               | 0.007                                      | 171                                      | 6.60  | 10.0   |
| AABG05A40M1R0 | 1.0                                | 0.012                                      | 117                                      | 4.90  | 7.35   |
| AABG05A40M1R2 | 1.2                                | 0.016                                      | 110                                      | 4.15  | 6.50   |
| AABG05A40M1R5 | 1.5                                | 0.015                                      | 60                                       | 4.58  | 6.30   |
| AABG05A40M1R8 | 1.8                                | 0.016                                      | 55                                       | 4.15  | 5.50   |
| AABG05A40M2R2 | 2.2                                | 0.019                                      | 42                                       | 4.07  | 4.90   |
| AABG05A40M2R7 | 2.7                                | 0.022                                      | 37                                       | 3.60  | 4.30   |
| AABG05A40M3R0 | 3.0                                | 0.022                                      | 37                                       | 3.60  | 4.15   |
| AABG05A40M3R3 | 3.3                                | 0.024                                      | 32                                       | 3.40  | 3.95   |
| AABG05A40M3R6 | 3.6                                | 0.026                                      | 30                                       | 3.30  | 3.80   |
| AABG05A40M3R9 | 3.9                                | 0.027                                      | 29                                       | 3.20  | 3.55   |
| AABG05A40M4R7 | 4.7                                | 0.030                                      | 28                                       | 3.19  | 3.50   |
| AABG05A40M5R6 | 5.6                                | 0.035                                      | 27                                       | 2.80  | 3.00   |

### AABG Series

| Part Number   | Inductance( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm$ 30% | Self-Resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>I <sub>rms</sub> (A) Max. | Saturation<br>Current<br>I <sub>sat</sub> (A) Max. |
|---------------|------------------------------------|--|--|---|--|
| AABG05A40M6R8 | 6.8                                | 0.041                                      | 21                                       | 2.50  | 2.90   |
| AABG05A40M8R2 | 8.2                                | 0.048                                      | 20                                       | 2.30  | 2.70   |
| AABG05A40M100 | 10.0                               | 0.060                                      | 18                                       | 2.16  | 2.35   |
| AABG05A40M120 | 12.0                               | 0.077                                      | 14                                       | 2.00  | 2.20   |
| AABG05A40M150 | 15.0                               | 0.085                                      | 13                                       | 2.00  | 2.37   |
| AABG05A40M180 | 18.0                               | 0.119                                      | 12                                       | 1.45  | 1.70   |
| AABG05A40M220 | 22.0                               | 0.129                                      | 9.0                                      | 1.50  | 1.60   |
| AABG05A40M270 | 27.0                               | 0.188                                      | 9.8                                      | 1.10  | 1.52   |
| AABG05A40M330 | 33.0                               | 0.184                                      | 7.0                                      | 1.20  | 1.30   |
| AABG05A40M470 | 47.0                               | 0.272                                      | 6.0                                      | 1.00  | 1.10   |
| AABG05A40M510 | 51.0                               | 0.380                                      | 6  | 1.00  | 1.00   |
| AABG05A40M560 | 56.0                               | 0.380                                      | 6  | 0.80  | 1.05   |
| AABG05A40M680 | 68.0                               | 0.400                                      | 6  | 0.80  | 0.90   |
| AABG05A40M750 | 75.0                               | 0.450                                      | 6  | 0.72  | 0.85   |
| AABG05A40M101 | 100.0                              | 0.560                                      | 5  | 0.7   | 0.75   |
| AABG05A40M151 | 150.0                              | 0.750                                      | 3.7                                      | 0.60  | 0.65   |
| AABG05A40M221 | 220.0                              | 1.400                                      | 3  | 0.40  | 0.48   |
| AABG05A40M301 | 300.0                              | 2.000                                      | 2.7                                      | 0.35  | 0.50   |
| AABG05A40M331 | 330.0                              | 2.100                                      | 2.7                                      | 0.40  | 0.42   |
| AABG05A40M471 | 470.0                              | 3.000                                      | 2.7                                      | 0.35  | 0.37   |
| AABG05A45N1R5 | 1.5                                | 0.017                                      | 78.0                                     | 5.2   | 7.4  |
| AABG05A45M2R2 | 2.2                                | 0.022                                      | 50.0                                     | 4.7   | 6.4  |
| AABG05A45M3R3 | 3.3                                | 0.027                                      | 36.0                                     | 4.2   | 6.4  |
| AABG05A45M100 | 10.0                               | 0.061                                      | 17.0                                     | 2.5   | 3.2  |
| AABG05A45M220 | 22.0                               | 0.125                                      | 10.0                                     | 1.55  | 2.0  |
| AABG06A10M1R5 | 1.5                                | 0.087                                      | 91                                       | 1.95  | 2.47   |
| AABG06A10M2R2 | 2.2                                | 0.107                                      | 64                                       | 1.75  | 1.95   |
| AABG06A10M3R3 | 3.3                                | 0.131                                      | 51                                       | 1.54  | 1.64   |
| AABG06A10M4R7 | 4.7                                | 0.160                                      | 42                                       | 1.44  | 1.33   |
| AABG06A10M6R8 | 6.8                                | 0.213                                      | 30                                       | 1.23  | 1.23   |
| AABG06A10M100 | 10.0                               | 0.261                                      | 25                                       | 1.13  | 1.03   |
| AABG06A10M220 | 22.0                               | 0.563                                      | 12                                       | 0.72  | 0.66   |
| AABG06A12N1R0 | 1.0                                | 0.054                                      | 80                                       | 2.36  | 3.62   |
| AABG06A12N1R5 | 1.5                                | 0.073                                      | 65                                       | 2.06  | 2.81   |
| AABG06A12N2R5 | 2.5                                | 0.087                                      | 45                                       | 1.85  | 2.16   |
| AABG06A12N3R3 | 3.3                                | 0.102                                      | 42                                       | 1.75  | 1.85   |
| AABG06A12N4R7 | 4.7                                | 0.121                                      | 36                                       | 1.59  | 1.64   |
| AABG06A12N5R3 | 5.3                                | 0.121                                      | 34                                       | 1.59  | 1.54   |
| AABG06A12N6R8 | 6.8                                | 0.160                                      | 30                                       | 1.39  | 1.33   |
| AABG06A12M100 | 10.0                               | 0.194                                      | 22                                       | 1.23  | 1.03   |
| AABG06A12M150 | 15.0                               | 0.286                                      | 18                                       | 0.82  | 0.82   |



### AABG Series

| Part Number   | Inductance( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm$ 30% | Self-Resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>I <sub>rms</sub> (A) Max. | Saturation<br>Current<br>I <sub>sat</sub> (A) Max. |
|---------------|------------------------------------|--|--|---|--|
| AABG06A12M220 | 22.0                               | 0.451                                      | 12                                       | 0.66  | 0.78   |
| AABG06A12M330 | 33.0                               | 0.563                                      | 8  | 0.56  | 0.60   |
| AABG06A12M470 | 47.0                               | 0.786                                      | 6  | 0.47  | 0.53   |
| AABG06A12M680 | 68.0                               | 1.125                                      | 3  | 0.42  | 0.45   |
| AABG06A12M101 | 100.0                              | 1.620                                      | 1  | 0.33  | 0.36   |
| AABG06A20NR50 | 0.5                                | 0.012                                      | 130                                      | 4.17  | 5.05   |
| AABG06A20NR68 | 0.68                               | 0.016                                      | 120                                      | 3.91  | 7.73   |
| AABG06A20NR82 | 0.82                               | 0.016                                      | 110                                      | 3.91  | 6.80   |
| AABG06A20M1R0 | 1.0                                | 0.019                                      | 94                                       | 3.35  | 4.27   |
| AABG06A20M1R2 | 1.2                                | 0.021                                      | 88                                       | 3.30  | 6.08   |
| AABG06A20M1R5 | 1.5                                | 0.021                                      | 79                                       | 3.30  | 4.38   |
| AABG06A20M1R8 | 1.8                                | 0.027                                      | 68                                       | 2.83  | 5.00   |
| AABG06A20M2R0 | 2.0                                | 0.033                                      | 64                                       | 2.52  | 4.43   |
| AABG06A20M2R2 | 2.2                                | 0.027                                      | 61                                       | 2.83  | 3.86   |
| AABG06A20M2R7 | 2.7                                | 0.033                                      | 56                                       | 2.68  | 4.02   |
| AABG06A20M3R3 | 3.3                                | 0.033                                      | 51                                       | 2.68  | 3.24   |
| AABG06A20M3R9 | 3.9                                | 0.047                                      | 46                                       | 2.16  | 3.35   |
| AABG06A20M4R3 | 4.3                                | 0.047                                      | 44                                       | 2.16  | 2.78   |
| AABG06A20M4R7 | 4.7                                | 0.056                                      | 41                                       | 2.06  | 3.09   |
| AABG06A20M5R6 | 5.6                                | 0.056                                      | 36                                       | 1.96  | 2.47   |
| AABG06A20M6R2 | 6.2                                | 0.076                                      | 35                                       | 1.85  | 2.37   |
| AABG06A20M6R8 | 6.8                                | 0.076                                      | 31                                       | 1.85  | 2.27   |
| AABG06A20M8R2 | 8.2                                | 0.101                                      | 28                                       | 1.44  | 2.16   |
| AABG06A20M100 | 10.0                               | 0.101                                      | 27                                       | 1.44  | 1.80   |
| AABG06A20M120 | 12.0                               | 0.116                                      | 23                                       | 1.39  | 1.75   |
| AABG06A20M150 | 15.0                               | 0.139                                      | 21                                       | 1.24  | 1.55   |
| AABG06A20M180 | 18.0                               | 0.168                                      | 19                                       | 1.13  | 1.27   |
| AABG06A20M220 | 22.0                               | 0.196                                      | 16                                       | 1.03  | 1.29   |
| AABG06A20M330 | 33.0                               | 0.300                                      | 11                                       | 0.84  | 0.95   |
| AABG06A20M470 | 47.0                               | 0.430                                      | 10                                       | 0.80  | 0.70   |
| AABG06A28NR82 | 0.82                               | 0.012                                      | 97                                       | 5.2   | 6.50   |
| AABG06A28M1R0 | 1.0                                | 0.010                                      | 70                                       | 5.20  | 5.75   |
| AABG06A28M1R2 | 1.2                                | 0.013                                      | 69                                       | 4.58  | 6.40   |
| AABG06A28M1R5 | 1.5                                | 0.012                                      | 65                                       | 4.72  | 6.18   |
| AABG06A28M2R2 | 2.2                                | 0.018                                      | 56                                       | 4.21  | 5.25   |
| AABG06A28M2R7 | 2.7                                | 0.019                                      | 48                                       | 3.86  | 3.91   |
| AABG06A28M3R3 | 3.3                                | 0.024                                      | 41                                       | 3.58  | 3.74   |
| AABG06A28M4R7 | 4.7                                | 0.029                                      | 35                                       | 3.17  | 3.09   |
| AABG06A28M5R1 | 5.1                                | 0.033                                      | 33                                       | 2.98  | 3.66   |
| AABG06A28M6R2 | 6.2                                | 0.039                                      | 30                                       | 2.66  | 3.14   |
| AABG06A28M6R8 | 6.8                                | 0.045                                      | 27                                       | 2.47  | 2.94   |

### AABG Series

| Part Number   | Inductance( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm$ 30% | Self-Resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>I <sub>rms</sub> (A) Max. | Saturation<br>Current<br>I <sub>sat</sub> (A) Max. |
|---------------|------------------------------------|--|--|---|--|
| AABG06A28M8R2 | 8.2                                | 0.053                                      | 24                                       | 2.32  | 2.68   |
| AABG06A28M9R1 | 9.1                                | 0.058                                      | 24                                       | 2.21  | 2.63   |
| AABG06A28M100 | 10.0                               | 0.069                                      | 23                                       | 2.01  | 2.10   |
| AABG06A28M120 | 12.0                               | 0.077                                      | 18                                       | 1.91  | 1.85   |
| AABG06A28M150 | 15.0                               | 0.120                                      | 18                                       | 1.49  | 1.80   |
| AABG06A28M180 | 18.0                               | 0.116                                      | 15                                       | 1.49  | 1.57   |
| AABG06A28M220 | 22.0                               | 0.135                                      | 14                                       | 1.44  | 1.65   |
| AABG06A28M270 | 27.0                               | 0.149                                      | 13                                       | 1.36  | 1.55   |
| AABG06A28M330 | 33.0                               | 0.200                                      | 12                                       | 1.26  | 1.39   |
| AABG06A28M360 | 36.0                               | 0.207                                      | 11                                       | 1.16  | 1.29   |
| AABG06A28M390 | 39.0                               | 0.216                                      | 11                                       | 1.13  | 1.29   |
| AABG06A28M430 | 43.0                               | 0.226                                      | 11                                       | 1.10  | 1.24   |
| AABG06A28M470 | 47.0                               | 0.315                                      | 9.5                                      | 1.09  | 1.18   |
| AABG06A28M560 | 56.0                               | 0.345                                      | 8.2                                      | 0.89  | 1.05   |
| AABG06A28M510 | 51.0                               | 0.255                                      | 9.5                                      | 1.04  | 1.08   |
| AABG06A28M620 | 62.0                               | 0.332                                      | 7.7                                      | 0.92  | 0.98   |
| AABG06A28M680 | 68.0                               | 0.347                                      | 7.7                                      | 0.89  | 0.98   |
| AABG06A28M750 | 75.0                               | 0.395                                      | 7.7                                      | 0.83  | 0.93   |
| AABG06A28M820 | 82.0                               | 0.428                                      | 7.7                                      | 0.80  | 0.93   |
| AABG06A28M910 | 91.0                               | 0.486                                      | 7.7                                      | 0.75  | 0.82   |
| AABG06A28M101 | 100.0                              | 0.524                                      | 7.1                                      | 0.72  | 0.77   |
| AABG06A40M1R0 | 1.0                                | 0.0078                                     | 97                                       | 6.48  | 9.27   |
| AABG06A40M100 | 10.0                               | 0.047                                      | 16                                       | 2.52  | 3.29   |
| AABG06A40M120 | 12.0                               | 0.056                                      | 14                                       | 2.26  | 2.88   |
| AABG06A40M150 | 15.0                               | 0.066                                      | 13                                       | 2.11  | 2.57   |
| AABG06A40M220 | 22.0                               | 0.086                                      | 10                                       | 1.85  | 2.11   |
| AABG06A40M330 | 33.0                               | 0.133                                      | 9.9                                      | 1.49  | 1.69   |
| AABG06A40M560 | 56.0                               | 0.214                                      | 6.6                                      | 1.13  | 1.33   |
| AABG06A40M680 | 68.0                               | 0.276                                      | 5.6                                      | 0.97  | 1.18   |
| AABG06A40M471 | 470.0                              | 1.740                                      | 2.0                                      | 0.48  | 0.43   |
| AABG06A45NR47 | 0.47                               | 0.006                                      | 155                                      | 6.50  | 15.0   |
| AABG06A45NR56 | 0.56                               | 0.006                                      | 142                                      | 6.50  | 14.0   |
| AABG06A45NR68 | 0.68                               | 0.006                                      | 99                                       | 5.70  | 11.0   |
| AABG06A45NR82 | 0.82                               | 0.007                                      | 140                                      | 6.08  | 10.71  |
| AABG06A45M1R0 | 1.0                                | 0.010                                      | 100                                      | 5.29  | 10.15  |
| AABG06A45M1R2 | 1.2                                | 0.010                                      | 100                                      | 5.56  | 8.60   |
| AABG06A45M1R3 | 1.3                                | 0.010                                      | 100                                      | 5.40  | 8.35   |
| AABG06A45M1R5 | 1.5                                | 0.011                                      | 65                                       | 5.10  | 9.06   |
| AABG06A45M1R8 | 1.8                                | 0.011                                      | 74                                       | 5.10  | 7.83   |
| AABG06A45M2R2 | 2.2                                | 0.014                                      | 52                                       | 4.74  | 6.95   |
| AABG06A45M2R3 | 2.3                                | 0.020                                      | 60                                       | 3.61  | 6.18   |

### AABG Series

| Part Number   | Inductance( $\mu$ H)<br>@100KHz/1V | DC Resistance<br>( $\Omega$ ) $\pm$ 30% | Self-Resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>I <sub>rms</sub> (A) Max. | Saturation<br>Current<br>I <sub>sat</sub> (A) Max. |
|---------------|------------------------------------|---|--|---|--|
| AABG06A45M2R7 | 2.7                                | 0.020                                   | 38                                       | 4.43  | 5.92   |
| AABG06A45M3R0 | 3.0                                | 0.019                                   | 35                                       | 3.91  | 5.77   |
| AABG06A45M3R3 | 3.3                                | 0.020                                   | 32                                       | 3.81  | 6.08   |
| AABG06A45M3R6 | 3.6                                | 0.020                                   | 28                                       | 3.81  | 5.41   |
| AABG06A45M4R3 | 4.3                                | 0.021                                   | 23                                       | 3.61  | 4.58   |
| AABG06A45M4R5 | 4.5                                | 0.026                                   | 24                                       | 3.30  | 4.97   |
| AABG06A45M4R7 | 4.7                                | 0.024                                   | 24                                       | 3.40  | 5.12   |
| AABG06A45M5R1 | 5.1                                | 0.024                                   | 23                                       | 3.40  | 4.53   |
| AABG06A45M5R6 | 5.6                                | 0.027                                   | 23                                       | 3.24  | 4.27   |
| AABG06A45M6R2 | 6.2                                | 0.030                                   | 26                                       | 3.09  | 4.56   |
| AABG06A45M6R3 | 6.3                                | 0.031                                   | 26                                       | 3.00  | 4.43   |
| AABG06A45M6R8 | 6.8                                | 0.030                                   | 20                                       | 3.09  | 4.02   |
| AABG06A45M7R5 | 7.5                                | 0.033                                   | 18                                       | 2.99  | 3.61   |
| AABG06A45M8R2 | 8.2                                | 0.041                                   | 21                                       | 2.68  | 4.02   |
| AABG06A45M9R1 | 9.1                                | 0.041                                   | 17                                       | 2.68  | 3.45   |
| AABG06A45M100 | 10.0                               | 0.046                                   | 15                                       | 2.52  | 3.30   |
| AABG06A45M120 | 12.0                               | 0.056                                   | 13                                       | 2.27  | 2.88   |
| AABG06A45M150 | 15.0                               | 0.065                                   | 12                                       | 2.11  | 2.58   |
| AABG06A45M180 | 18.0                               | 0.078                                   | 10                                       | 1.91  | 2.27   |
| AABG06A45M220 | 22.0                               | 0.110                                   | 10                                       | 1.85  | 2.11   |
| AABG06A45M270 | 27.0                               | 0.098                                   | 9.2                                      | 1.70  | 1.96   |
| AABG06A45M300 | 30.0                               | 0.127                                   | 7.8                                      | 1.55  | 1.75   |
| AABG06A45M330 | 33.0                               | 0.137                                   | 7.8                                      | 1.49  | 1.70   |
| AABG06A45M360 | 36.0                               | 0.166                                   | 7.8                                      | 1.44  | 1.67   |
| AABG06A45M390 | 39.0                               | 0.173                                   | 7.8                                      | 1.29  | 1.55   |
| AABG06A45M430 | 43.0                               | 0.193                                   | 7.7                                      | 1.24  | 1.68   |
| AABG06A45M470 | 47.0                               | 0.193                                   | 6.4                                      | 1.24  | 1.44   |
| AABG06A45M510 | 51.0                               | 0.199                                   | 6.4                                      | 1.18  | 1.39   |
| AABG06A45M560 | 56.0                               | 0.25                                    | 6.4                                      | 1.13  | 1.34   |
| AABG06A45M620 | 62.0                               | 0.226                                   | 6.4                                      | 1.13  | 1.29   |
| AABG06A45M680 | 68.0                               | 0.278                                   | 6.4                                      | 1.03  | 1.24   |
| AABG06A45M750 | 75.0                               | 0.293                                   | 5  | 0.98  | 1.18   |
| AABG06A45M820 | 82.0                               | 0.328                                   | 4.9                                      | 0.93  | 1.08   |
| AABG06A45M910 | 91.0                               | 0.345                                   | 4.9                                      | 0.88  | 1.03   |
| AABG06A45M101 | 100.0                              | 0.416                                   | 4.2                                      | 0.82  | 0.98   |
| AABG06A45M121 | 120.0                              | 0.466                                   | 4.2                                      | 0.79  | 0.88   |
| AABG06A45M151 | 150.0                              | 0.559                                   | 4.2                                      | 0.72  | 0.82   |
| AABG06A45M221 | 220.0                              | 0.803                                   | 3.5                                      | 0.61  | 0.72   |
| AABG06A45M331 | 330.0                              | 1.270                                   | 2.8                                      | 0.59  | 0.59   |
| AABG06A45M471 | 470.0                              | 2.600                                   | 2.1                                      | 0.20  | 0.20   |
| AABG06A55M3R3 | 3.3                                | 0.019                                   | 32                                       | 3.99  | 6.07   |

### AABG Series

| Part Number   | Inductance( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm$ 30% | Self-Resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>I <sub>rms</sub> (A) Max. | Saturation<br>Current<br>I <sub>sat</sub> (A) Max. |
|---------------|------------------------------------|--|--|---|--|
| AABG06A55M4R7 | 4.7                                | 0.024                                      | 24                                       | 3.63  | 4.95   |
| AABG06A55M6R8 | 6.8                                | 0.026                                      | 20                                       | 3.53  | 3.94   |
| AABG06A55M8R2 | 8.2                                | 0.037                                      | 21                                       | 2.93  | 3.93   |
| AABG06A55M100 | 10.0                               | 0.041                                      | 15                                       | 2.73  | 3.34   |
| AABG06A55M150 | 15.0                               | 0.056                                      | 12                                       | 2.37  | 2.56   |
| AABG06A55M220 | 22.0                               | 0.076                                      | 10                                       | 2.03  | 2.27   |
| AABG06A55M330 | 33.0                               | 0.130                                      | 7.8                                      | 1.56  | 1.66   |
| AABG06A55M470 | 47.0                               | 0.193                                      | 6.4                                      | 1.26  | 1.62   |
| AABG06A55M680 | 68.0                               | 0.271                                      | 6.4                                      | 1.02  | 1.26   |
| AABG06A55M101 | 100.0                              | 0.333                                      | 4.2                                      | 0.96  | 1.06   |
| AABG06A55M151 | 150.0                              | 0.527                                      | 4.2                                      | 0.76  | 0.92   |
| AABG06A55M221 | 220.0                              | 0.796                                      | 3.5                                      | 0.61  | 0.71   |
| AABG06A55M331 | 330.0                              | 1.232                                      | 2.8                                      | 0.50  | 0.57   |
| AABG08A40NR82 | 0.82                               | 0.007                                      | 94                                       | 6.49  | 14.21  |
| AABG08A40M1R0 | 1.0                                | 0.007                                      | 89                                       | 6.49  | 10.15  |
| AABG08A40M1R2 | 1.2                                | 0.010                                      | 59                                       | 5.65  | 10.0   |
| AABG08A40M1R5 | 1.5                                | 0.010                                      | 67                                       | 5.82  | 8.39   |
| AABG08A40M2R0 | 2.0                                | 0.011                                      | 43                                       | 5.30  | 9.53   |
| AABG08A40M2R2 | 2.2                                | 0.011                                      | 41                                       | 5.30  | 7.31   |
| AABG08A40M3R0 | 3.0                                | 0.013                                      | 32                                       | 4.84  | 6.28   |
| AABG08A40M3R3 | 3.3                                | 0.016                                      | 27                                       | 4.53  | 6.70   |
| AABG08A40M3R6 | 3.6                                | 0.016                                      | 30                                       | 4.48  | 7.75   |
| AABG08A40M3R9 | 3.9                                | 0.016                                      | 26                                       | 4.48  | 5.92   |
| AABG08A40M4R7 | 4.7                                | 0.018                                      | 24                                       | 4.22  | 6.08   |
| AABG08A40M5R1 | 5.1                                | 0.018                                      | 22                                       | 4.17  | 4.84   |
| AABG08A40M5R6 | 5.6                                | 0.020                                      | 24                                       | 3.97  | 6.18   |
| AABG08A40M6R2 | 6.2                                | 0.020                                      | 20                                       | 3.97  | 4.58   |
| AABG08A40M6R8 | 6.8                                | 0.023                                      | 20                                       | 3.71  | 4.69   |
| AABG08A40M8R2 | 8.2                                | 0.024                                      | 17                                       | 3.55  | 4.33   |
| AABG08A40M100 | 10.0                               | 0.028                                      | 15                                       | 3.30  | 3.71   |
| AABG08A40M120 | 12.0                               | 0.041                                      | 13                                       | 2.80  | 3.50   |
| AABG08A40M150 | 15.0                               | 0.045                                      | 12                                       | 2.68  | 3.04   |
| AABG08A40M180 | 18.0                               | 0.050                                      | 11                                       | 2.47  | 2.78   |
| AABG08A40M220 | 22.0                               | 0.066                                      | 9.5                                      | 2.16  | 2.47   |
| AABG08A40M270 | 27.0                               | 0.075                                      | 9.2                                      | 2.06  | 2.21   |
| AABG08A40M330 | 33.0                               | 0.097                                      | 7.8                                      | 1.85  | 2.11   |
| AABG08A40M360 | 36.0                               | 0.098                                      | 7.8                                      | 1.80  | 2.06   |
| AABG08A40M390 | 39.0                               | 0.103                                      | 7.8                                      | 1.75  | 2.01   |
| AABG08A40M430 | 43.0                               | 0.108                                      | 7.8                                      | 1.70  | 1.96   |
| AABG08A40M470 | 47.0                               | 0.130                                      | 6.4                                      | 1.60  | 1.80   |
| AABG08A40M510 | 51.0                               | 0.136                                      | 6.4                                      | 1.55  | 1.75   |

### AABG Series

| Part Number   | Inductance( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm$ 30% | Self-Resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>I <sub>rms</sub> (A) Max. | Saturation<br>Current<br>I <sub>sat</sub> (A) Max. |
|---------------|------------------------------------|--|--|---|--|
| AABG08A40M560 | 56.0                               | 0.148                                      | 6.4                                      | 1.49  | 1.60   |
| AABG08A40M620 | 62.0                               | 0.175                                      | 6.4                                      | 1.34  | 1.55   |
| AABG08A40M680 | 68.0                               | 0.188                                      | 4.9                                      | 1.29  | 1.49   |
| AABG08A40M750 | 75.0                               | 0.203                                      | 4.9                                      | 1.24  | 1.39   |
| AABG08A40M820 | 82.0                               | 0.225                                      | 5.9                                      | 1.18  | 1.34   |
| AABG08A40M910 | 91.0                               | 0.261                                      | 4.9                                      | 1.08  | 1.24   |
| AABG08A40M101 | 100.0                              | 0.279                                      | 4.2                                      | 1.03  | 1.18   |
| AABG08A40M121 | 120.0                              | 0.321                                      | 3.5                                      | 0.98  | 1.08   |
| AABG08A40M151 | 150.0                              | 0.410                                      | 3.5                                      | 0.88  | 1.13   |
| AABG08A40M181 | 180.0                              | 0.520                                      | 3.5                                      | 0.83  | 0.95   |
| AABG08A40M221 | 220.0                              | 0.576                                      | 3.5                                      | 0.82  | 0.88   |
| AABG08A40M331 | 330.0                              | 0.856                                      | 2.8                                      | 0.64  | 0.70   |
| AABG08A40M471 | 470.0                              | 1.500                                      | 2.1                                      | 0.54  | 0.60   |
| AABG08A40M561 | 560.0                              | 2.000                                      | 1.6                                      | 0.30  | 0.30   |
| AABG08A40M681 | 680.0                              | 2.200                                      | 1.2                                      | 0.25  | 0.25   |
| AABG08A40M821 | 820.0                              | 3.000                                      | 0.8                                      | 0.20  | 0.20   |
| AABG08A40M102 | 1000.0                             | 4.000                                      | 0.5                                      | 0.15  | 0.15   |
| AABG08A50M1R0 | 1.0                                | 0.008                                      | 89                                       | 6.36  | 9.90   |
| AABG08A50M1R5 | 1.5                                | 0.010                                      | 67                                       | 5.71  | 8.19   |
| AABG08A50M2R2 | 2.2                                | 0.012                                      | 41                                       | 5.20  | 7.18   |
| AABG08A50M3R3 | 3.3                                | 0.017                                      | 27                                       | 4.45  | 6.56   |
| AABG08A50M4R7 | 4.7                                | 0.019                                      | 24                                       | 4.15  | 5.96   |
| AABG08A50M6R8 | 6.8                                | 0.024                                      | 20                                       | 3.64  | 5.56   |
| AABG08A50M8R2 | 8.2                                | 0.027                                      | 19.4                                     | 3.44  | 5.06   |
| AABG08A50M100 | 10.0                               | 0.029                                      | 15                                       | 3.23  | 4.95   |
| AABG08A50M150 | 15.0                               | 0.046                                      | 12                                       | 2.57  | 3.99   |
| AABG08A50M220 | 22.0                               | 0.066                                      | 9.5                                      | 2.27  | 3.28   |
| AABG08A50M330 | 33.0                               | 0.092                                      | 7.8                                      | 1.82  | 2.73   |
| AABG08A50M470 | 47.0                               | 0.132                                      | 6.4                                      | 1.52  | 2.32   |
| AABG08A50M680 | 68.0                               | 0.187                                      | 4.9                                      | 1.26  | 1.77   |
| AABG08A50M101 | 100.0                              | 0.241                                      | 4.2                                      | 1.12  | 1.52   |
| AABG08A50M151 | 150.0                              | 0.322                                      | 3.5                                      | 0.96  | 1.12   |
| AABG08A50M221 | 220.0                              | 0.566                                      | 3.5                                      | 0.71  | 0.86   |
| AABG08A50M331 | 330.0                              | 0.835                                      | 2.8                                      | 0.60  | 0.69   |
| AABG08A50M471 | 470.0                              | 1.184                                      | 1.9                                      | 0.5   | 0.7  |
| AABG08A50M102 | 1000.0                             | 2.040                                      | 1.5                                      | 0.34  | 0.33   |
| AABG08A60K681 | 680.0                              | 1.67                                       | 1.26                                     | 0.46  | 0.72   |
| AABG08A65MR68 | 0.68                               | 0.006                                      | 100                                      | 7.65  | 24.5   |
| AABG08A65M1R0 | 1.0                                | 0.008                                      | 96                                       | 7.13  | 20.3   |
| AABG08A65M2R2 | 2.2                                | 0.012                                      | 45                                       | 4.56  | 12.2   |
| AABG08A65M3R3 | 3.3                                | 0.013                                      | 27                                       | 5.25  | 9.78   |

### AABG Series

| Part Number   | Inductance( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm$ 30% | Self-Resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>I <sub>rms</sub> (A) Max. | Saturation<br>Current<br>I <sub>sat</sub> (A) Max. |
|---------------|------------------------------------|--|--|---|--|
| AABG08A65M4R7 | 4.7                                | 0.016                                      | 18                                       | 4.84  | 8.75   |
| AABG08A65M5R6 | 5.6                                | 0.020                                      | 17                                       | 4.63  | 8.24   |
| AABG08A65M6R8 | 6.8                                | 0.020                                      | 16                                       | 4.63  | 7.72   |
| AABG08A65M8R2 | 8.2                                | 0.023                                      | 15                                       | 4.32  | 7.21   |
| AABG08A65M100 | 10.0                               | 0.033                                      | 13                                       | 3.26  | 8.15   |
| AABG08A65M150 | 15.0                               | 0.040                                      | 10                                       | 3.35  | 5.80   |
| AABG08A65M220 | 22.0                               | 0.055                                      | 8  | 2.76  | 4.42   |
| AABG08A65M470 | 47.0                               | 0.11                                       | 7  | 1.88  | 3.46   |
| AABG08A65M560 | 56.0                               | 0.15                                       | 6  | 1.38  | 3.25   |
| AABG08A65M680 | 68.0                               | 0.16                                       | 5  | 1.57  | 2.40   |
| AABG08A65M101 | 100.0                              | 0.21                                       | 3.1                                      | 1.37  | 2.03   |
| AABG08A65M151 | 150.0                              | 0.33                                       | 2.5                                      | 0.97  | 1.63   |
| AABG08A65M221 | 220.0                              | 0.49                                       | 2.0                                      | 0.81  | 1.22   |
| AABG08A65M331 | 330.0                              | 0.64                                       | 1.7                                      | 0.77  | 1.03   |
| AABG08A65M431 | 430.0                              | 0.90                                       | 1.5                                      | 0.62  | 0.97   |
| AABG08A65M471 | 470.0                              | 1.15                                       | 1.4                                      | 0.56  | 1.02   |
| AABG08A65M681 | 680.0                              | 1.48                                       | 1.0                                      | 0.52  | 0.87   |
| AABG08A65M102 | 1000.0                             | 2.15                                       | 1.1                                      | 0.41  | 0.66   |
| AABG08A65M152 | 1500.0                             | 3.34                                       | 0.7                                      | 0.33  | 0.55   |
| AABG08A65M222 | 2200.0                             | 4.60                                       | 0.7                                      | 0.27  | 0.46   |
| AABG08A65M332 | 3300.0                             | 6.70                                       | 0.7                                      | 0.24  | 0.36   |
| AABG08A65M472 | 4700.0                             | 11.1                                       | 0.4                                      | 0.19  | 0.30   |
| AABG08A65M682 | 6800.0                             | 17.1                                       | 0.4                                      | 0.15  | 0.27   |

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[4R7M](#) [RCH8011NP-221L](#) [RCP1317NP-332L](#) [RCP1317NP-391L](#) [RCR1010NP-470M](#) [RCR110DNP-331L](#) [DH2280-4R7M](#) [DS1608C-106](#)  
[ASPI-4020HI-R10M-T](#) [B10TJ](#) [B82498B3680J000](#) [ELJ-RE27NJF2](#) [1812CS-153XJ](#) [1812CS-183XJ](#) [1812CS-223XJ](#)