

### 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.

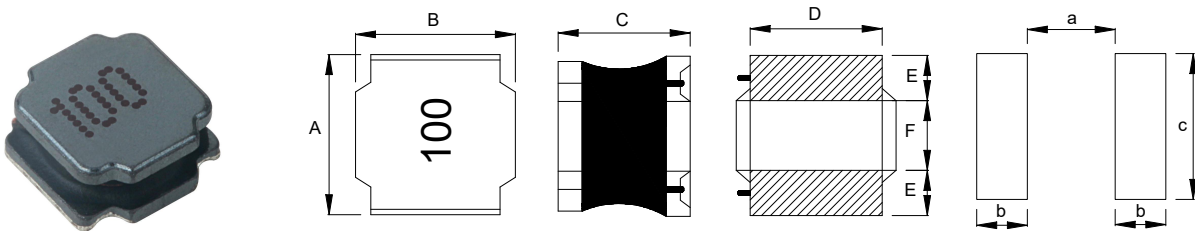
#### Applications

- 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) @100KHz/1V	DC Resistance (Ω)±30%	Self-Resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current 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

### AABG Series

Part Number	Inductance( $\mu$ H) @100KHz/1V	DC Resistance ( $\Omega$ ) $\pm$ 30%	Self-Resonant Frequency (MHz) Min.	Heat Rating Current I <sub>rms</sub> (A) Max.	Saturation Current I <sub>sat</sub> (A) Max.
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

### AABG Series

Part Number	Inductance( $\mu$ H) @100KHz/1V	DC Resistance ( $\Omega$ ) $\pm$ 30%	Self-Resonant Frequency (MHz) Min.	Heat Rating Current I <sub>rms</sub> (A) Max.	Saturation Current I <sub>sat</sub> (A) Max.
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

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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

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Part Number	Inductance( $\mu$ H) @100KHz/1V	DC Resistance ( $\Omega$ ) $\pm$ 30%	Self-Resonant Frequency (MHz) Min.	Heat Rating Current I <sub>rms</sub> (A) Max.	Saturation Current 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) @100KHz/1V	DC Resistance ( $\Omega$ ) $\pm$ 30%	Self-Resonant Frequency (MHz) Min.	Heat Rating Current I <sub>rms</sub> (A) Max.	Saturation Current 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) @100KHz/1V	DC Resistance ( $\Omega$ ) $\pm$ 30%	Self-Resonant Frequency (MHz) Min.	Heat Rating Current I <sub>rms</sub> (A) Max.	Saturation Current 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) @100KHz/1V	DC Resistance ( $\Omega$ ) $\pm$ 30%	Self-Resonant Frequency (MHz) Min.	Heat Rating Current I <sub>rms</sub> (A) Max.	Saturation Current 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) @100KHz/1V	DC Resistance ( $\Omega$ ) $\pm$ 30%	Self-Resonant Frequency (MHz) Min.	Heat Rating Current I <sub>rms</sub> (A) Max.	Saturation Current 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) @100KHz/1V	DC Resistance ( $\Omega$ ) $\pm$ 30%	Self-Resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (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) @100KHz/1V	DC Resistance ( $\Omega$ ) $\pm$ 30%	Self-Resonant Frequency (MHz) Min.	Heat Rating Current I <sub>rms</sub> (A) Max.	Saturation Current 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) @100KHz/1V	DC Resistance ( $\Omega$ ) $\pm$ 30%	Self-Resonant Frequency (MHz) Min.	Heat Rating Current I <sub>rms</sub> (A) Max.	Saturation Current 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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