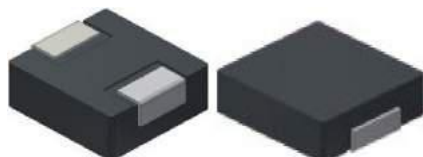


High Current, Power Inductors

FXC0420-XXX-M Power Choke



Description

- Halogen Free
- 125°C maximum total temperature mount package
- Powder iron core material
- Magnetically shielded, low EMI
- High current carrying capacity, Low core losses
- Inductance range from 0.22μH to 100μH
- Current range from 1.8 to 100Amps
- Frequency range up to 5MHz
- RoHS compliant

Applications

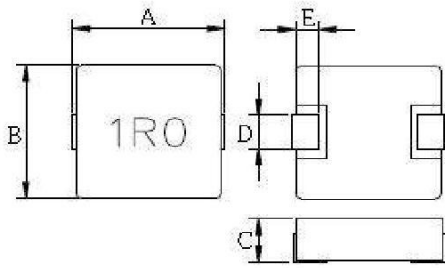
- Voltage Regulator Module (VRM)
- Multi-phase regulators
- Point-of-load modules
- Smart phone POL modules
- SSD modules
- Notebook regulators
- Battery power systems
- Graphics cards
- Data networking and storage systems

Environmental Data

- Storage temperature range: -55°C to +125 °C
- Operating temperature range: -55°C to +125°C (ambient plus self-temperature rise)
- Solder reflow temperature: J-STD-020D compliant

| Description | | | |
|--------------------|------------------|----------------------|------------|
| FXC0420-1R5-M | 1.5μH | ±20 % | |
| Model | Inductance Value | Inductance Tolerance | |
| Global Part Number | | | |
| F X C | 0 4 2 0 | 1 R 5 | M |
| Product Series | Dimensions | Inductance | Value Tol. |

■ PRODUCT SERIES



| Dimension in mm | | | | | |
|-----------------|---------|---------|---------|----------|---------|
| Part No. | A (Max) | B (Max) | C (Max) | D | E |
| FXC0415 | 4.9 | 4.5 | 1.5 | 1.5±0.5 | 1.0±0.3 |
| FXC0418 | 4.9 | 4.5 | 1.8 | 1.5±0.5 | 1.0±0.3 |
| FXC0420 | 4.9 | 4.5 | 2.0 | 1.5±0.5 | 1.0±0.3 |
| FXC0515 | 5.9 | 5.2 | 1.5 | 2.0±0.5 | 1.2±0.5 |
| FXC0520 | 5.9 | 5.2 | 2.0 | 2.0±0.5 | 1.0±0.3 |
| FXC0530 | 5.9 | 5.2 | 3.0 | 2.0±0.5 | 1.0±0.3 |
| FXC0540 | 5.9 | 5.2 | 4.0 | 2.0±0.5 | 1.0±0.3 |
| FXC0550 | 5.9 | 5.2 | 5.0 | 2.0±0.5 | 1.0±0.3 |
| FXC0560 | 5.9 | 5.2 | 6.0 | 2.0±0.5 | 1.2±0.5 |
| FXC0615 | 7.8 | 7.0 | 1.5 | 3.0±0.3 | 1.5±0.5 |
| FXC0618 | 7.8 | 7.0 | 1.8 | 3.0±0.3 | 1.5±0.5 |
| FXC0620 | 7.8 | 7.0 | 2.0 | 3.0±0.3 | 1.5±0.5 |
| FXC0624 | 7.8 | 7.0 | 2.4 | 3.0±0.3 | 1.5±0.5 |
| FXC0630 | 7.8 | 7.0 | 3.0 | 3.0±0.3 | 1.5±0.5 |
| FXC0640 | 7.8 | 7.0 | 4.0 | 3.0±0.3 | 1.5±0.5 |
| FXC0650 | 7.9 | 7.0 | 5.0 | 3.0±0.3 | 1.5±0.5 |
| FXC1030 | 11.8 | 10.8 | 3.0 | 3.0±0.5 | 2.0±0.5 |
| FXC1040 | 11.8 | 10.8 | 4.0 | 3.0±0.5 | 2.0±0.5 |
| FXC1235 | 14.5 | 13.5 | 3.5 | 3.5±0.5 | 2.5±0.5 |
| FXC1240 | 14.5 | 13.5 | 4.0 | 3.5±0.5 | 2.5±0.5 |
| FXC1250 | 14.5 | 13.5 | 5.0 | 3.5±0.5 | 2.5±0.5 |
| FXC1260 | 14.5 | 13.5 | 6.0 | 3.5±0.5 | 2.5±0.5 |
| FXC1265 | 14.5 | 13.5 | 6.5 | 3.5±0.5 | 2.5±0.5 |
| FXC1770 | 17.5 | 19.0 | 7.0 | 11.7±0.3 | 3.3±0.5 |

PRODUCT SPECIFICATIONS

04 系 SPECIFICATION

FXC0415 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0415-R22M | 0.22 | 7.5 | 9 | 6 | 9 |
| FXC0415-R47M | 0.47 | 14.7 | 20 | 5 | 7 |
| FXC0415-1R0M | 1.0 | 35 | 45 | 3.5 | 5 |
| FXC0415-1R5M | 1.5 | 46 | 63 | 3 | 4 |
| FXC0415-2R2M | 2.2 | 76 | 100 | 2.5 | 3 |
| FXC0415-4R7M | 4.7 | 115 | 140 | 2 | 2.5 |

FXC0418 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0418-1R0M | 1.0 | 25 | 27 | 4.5 | 7 |
| FXC0418-1R5M | 1.5 | 32 | 48 | 4 | 6 |
| FXC0418-2R2M | 2.2 | 47 | 58 | 3 | 5 |
| FXC0418-4R7M | 4.7 | 96 | 150 | 2 | 3 |

FXC0420 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0420-R22M | 0.22 | 6.2 | 8 | 9 | 12 |
| FXC0420-R33M | 0.33 | 8 | 10 | 8 | 11 |
| FXC0420-R36M | 0.36 | 8.6 | 12 | 7 | 10 |
| FXC0420-R47M | 0.47 | 10 | 14 | 6 | 9.5 |
| FXC0420-R56M | 0.56 | 14 | 18 | 5 | 8 |
| FXC0420-R68M | 0.68 | 14 | 21 | 5.2 | 8 |
| FXC0420-1R0M | 1.0 | 25 | 27 | 4.5 | 7 |
| FXC0420-1R5M | 1.5 | 32 | 45 | 4 | 6 |
| FXC0420-2R2M | 2.2 | 47 | 58 | 3 | 5 |
| FXC0420-2R7M | 2.7 | 47 | 58 | 3 | 4 |
| FXC0420-3R3M | 3.3 | 85 | 90 | 2 | 3 |
| FXC0420-4R7M | 4.7 | 105 | 150 | 2 | 3 |
| FXC0420-6R8M | 6.8 | 130 | 170 | 2 | 2.5 |
| FXC0420-100M | 10 | 170 | 200 | 1.5 | 1.8 |

05 系 SPECIFICATION

FXC0515 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0515-1R0M | 1.0 | 18 | 25 | 5 | 7 |
| FXC0515-2R2M | 2.2 | 78 | 85 | 3 | 5 |
| FXC0515-4R7M | 4.7 | 108 | 120 | 2.5 | 3 |

FXC0520 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0520-R22M | 0.22 | 4.6 | 6 | 10.5 | 16 |
| FXC0520-R33M | 0.33 | 7.5 | 9 | 10 | 15 |
| FXC0520-R47M | 0.47 | 8.2 | 10 | 9 | 12 |
| FXC0520-R68M | 0.68 | 12.5 | 16 | 7 | 11 |
| FXC0520-1R0M | 1.0 | 13 | 17 | 7 | 8 |
| FXC0520-1R5M | 1.5 | 21 | 28 | 5 | 7 |
| FXC0520-2R2M | 2.2 | 35 | 45 | 4 | 6 |
| FXC0520-3R3M | 3.3 | 53 | 80 | 3.5 | 5 |
| FXC0520-4R7M | 4.7 | 66 | 85 | 3 | 3.5 |
| FXC0520-6R8M | 6.8 | 93 | 100 | 2 | 3 |
| FXC0520-100M | 10 | 170 | 190 | 1.5 | 2.5 |

FXC0530 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0530-R47M | 0.47 | 8 | 11 | 10 | 13 |
| FXC0530-R68M | 0.68 | 9 | 12 | 9 | 12 |
| FXC0530-1R0M | 1.0 | 14 | 16 | 7 | 11 |
| FXC0530-1R5M | 1.5 | 17 | 22 | 5 | 10 |
| FXC0530-2R2M | 2.2 | 28 | 35 | 4 | 9 |
| FXC0530-3R3M | 3.3 | 31 | 38 | 3.5 | 7 |
| FXC0530-4R7M | 4.7 | 42 | 60 | 3 | 5 |
| FXC0530-6R8M | 6.8 | 77 | 90 | 2.5 | 3.5 |
| FXC0530-100M | 10 | 82 | 100 | 2 | 3 |
| FXC0530-150M | 15 | 146 | 165 | 1.5 | 2 |
| FXC0530-220M | 22 | 203 | 230 | 1.5 | 1.5 |

FXC0540 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0540-2R2M | 2.2 | 29 | 35 | 5.5 | 9 |
| FXC0540-100M | 10 | 77 | 90 | 3 | 4 |

FXC0550 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0550-4R7M | 4.6 | 46 | 50 | 5 | 6 |
| FXC0550-6R8M | 6.8 | 58 | 70 | 3 | 5.5 |
| FXC0550-150M | 15 | 104 | 138 | 2.5 | 3.5 |
| FXC0550-220M | 22 | 196 | 238 | 1.5 | 2 |

FXC0560 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0560-220M | 22 | 110 | 140 | 1.5 | 2.5 |

06 系 SPECIFICATION

FXC0615 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0615-2R2M | 2.2 | 34 | 40 | 3 | 5.5 |
| FXC0615-4R7M | 4.7 | 83 | 90 | 2.5 | 4.5 |

FXC0618 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0618-R47M | 0.47 | 7.2 | 8.4 | 11 | 18 |
| FXC0618-R68M | 0.68 | 9.5 | 12 | 10.5 | 16 |
| FXC0618-1R0M | 1.0 | 17 | 22 | 6 | 11 |
| FXC0618-1R5M | 1.5 | 23 | 30 | 6.5 | 9.8 |
| FXC0618-2R2M | 2.2 | 31 | 35 | 6 | 9 |
| FXC0618-3R3M | 3.3 | 62 | 68 | 3.5 | 8 |
| FXC0618-4R7M | 4.7 | 67 | 75 | 3 | 5 |
| FXC0618-100M | 10.0 | 99 | 137 | 2 | 3 |

FXC0620 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0620-R68M | 0.68 | 8.8 | 10 | 10.5 | 16 |
| FXC0620-1R0M | 1.0 | 16 | 20 | 7 | 14 |
| FXC0620-1R5M | 1.5 | 23 | 30 | 6 | 12 |
| FXC0620-2R2M | 2.2 | 31 | 35 | 5 | 10 |
| FXC0620-3R3M | 3.3 | 50 | 64 | 3.5 | 7.5 |
| FXC0620-4R7M | 4.7 | 64 | 70 | 3.5 | 6 |
| FXC0620-6R8M | 6.8 | 85 | 100 | 3 | 4 |
| FXC0620-100M | 10.0 | 102 | 154 | 2.8 | 3.5 |

FXC0624 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0624-R22M | 0.22 | 2.2 | 2.8 | 17 | 35 |
| FXC0624-R47M | 0.47 | 5.9 | 6.8 | 13 | 21 |
| FXC0624-R68M | 0.68 | 6.9 | 8 | 9 | 20 |
| FXC0624-1R0M | 1.0 | 9 | 11 | 7 | 13 |
| FXC0624-1R5M | 1.5 | 14 | 20 | 6.5 | 12 |
| FXC0624-2R2M | 2.2 | 22 | 26 | 6 | 11 |
| FXC0624-2R7M | 2.7 | 23 | 28 | 5.8 | 8.7 |
| FXC0624-4R7M | 4.7 | 59 | 73 | 3.5 | 8 |
| FXC0624-5R6M | 5.6 | 74 | 80 | 5 | 7 |
| FXC0624-6R8M | 6.8 | 81 | 90 | 3 | 5 |
| FXC0624-100M | 10 | 97 | 105 | 3 | 4.5 |

FXC0630 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0630-R22M | 0.22 | 2.0 | 3.5 | 15 | 40 |
| FXC0630-R33M | 0.33 | 2.5 | 3.4 | 20 | 30 |
| FXC0630-R47M | 0.47 | 3.3 | 5.3 | 17.5 | 26 |
| FXC0630-R56M | 0.56 | 4.6 | 5.5 | 15.5 | 24 |
| FXC0630-R68M | 0.68 | 4.0 | 5.5 | 15.5 | 25 |
| FXC0630-R82M | 0.82 | 6.5 | 8 | 13 | 20 |
| FXC0630-1R0M | 1.0 | 7.0 | 10 | 11 | 22 |
| FXC0630-1R5M | 1.5 | 12 | 15 | 9 | 18 |
| FXC0630-2R2M | 2.2 | 15 | 20 | 8 | 13 |
| FXC0630-3R3M | 3.3 | 25 | 30 | 6 | 12 |
| FXC0630-4R7M | 4.7 | 34 | 40 | 5.5 | 9 |
| FXC0630-5R6M | 5.6 | 50 | 60 | 5 | 7 |
| FXC0630-6R8M | 6.8 | 45 | 60 | 4.5 | 7 |
| FXC0630-8R2M | 8.2 | 75 | 80 | 4 | 6 |
| FXC0630-100M | 10.0 | 80 | 105 | 3 | 6 |
| FXC0630-150M | 15.0 | 100 | 140 | 2.5 | 4 |
| FXC0630-220M | 22.0 | 180 | 192 | 2.0 | 3.5 |

FXC0640 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0640-R56M | 0.56 | 4.2 | 5.5 | 14 | 22 |
| FXC0640-R68M | 0.68 | 4.2 | 5.5 | 13 | 20 |
| FXC0640-1R0M | 1.0 | 7.4 | 8.5 | 12 | 19 |
| FXC0640-1R5M | 1.5 | 12 | 15 | 10 | 16 |
| FXC0640-2R2M | 2.2 | 13 | 18 | 8.5 | 14 |
| FXC0640-3R3M | 3.3 | 17 | 20 | 7 | 13 |
| FXC0640-4R7M | 4.7 | 23 | 28 | 6 | 8 |

FXC0650 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|----------------|---|-------------------|------|--|--|
| | | Typ. | Max | | |
| FXC0650-R22M | 0.22 | 2.3 | 3.5 | 20 | 45 |
| FXC0650-R47M | 0.47 | 3.5 | 4.5 | 18 | 21 |
| FXC0650-R56M | 0.56 | 4.6 | 6 | 17 | 25 |
| FXC0650-R68M | 0.68 | 5.5 | 6.5 | 14 | 19 |
| FXC0650-R82M | 0.82 | 6.5 | 7.5 | 14 | 18 |
| FXC0650-1R0M | 1.0 | 7.0 | 8.5 | 13 | 17 |
| FXC0650-1R5M-T | 1.5 | 7.5 | 9 | 11.5 | 12 |
| FXC0650-2R2M | 2.2 | 10 | 12.5 | 8 | 12 |
| FXC0650-3R3M | 3.3 | 14 | 20 | 7 | 9 |
| FXC0650-3R8M | 3.8 | 18.6 | 25 | 6.5 | 8 |
| FXC0650-4R7M-T | 4.7 | 13 | 15 | 6 | 7 |
| FXC0650-4R9M | 4.9 | 15 | 16 | 6 | 6.5 |
| FXC0650-5R6M | 5.6 | 25 | 30 | 6 | 6 |
| FXC0650-6R8M | 6.8 | 26 | 38 | 5.0 | 6 |
| FXC0650-8R2M | 8.2 | 36 | 40 | 4 | 6 |
| FXC0650-100M | 10.0 | 51 | 60 | 4.5 | 5.3 |
| FXC0650-150M-T | 15.0 | 65 | 85 | 3 | 5 |
| FXC0650-220M-T | 22.0 | 77 | 85 | 3 | 4 |
| FXC0650-330M | 33.0 | 184 | 237 | 2 | 3 |
| FXC0650-470M | 47.0 | 193 | 280 | 2 | 2 |
| FXC0650-680M | 68 | 257 | 280 | 1.3 | 1.8 |

FXC0660 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC0660-2R2M | 2.2 | 8 | 10 | 11 | 14 |
| FXC0660-3R3M | 3.3 | 9 | 11 | 8 | 12 |
| FXC0660-6R8M | 6.8 | 19 | 22 | 5 | 7.5 |

10 系 SPECIFICATION

FXC1030 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC1030-1R0M | 1.0 | 5.1 | 7.0 | 13 | 18 |
| FXC1030-1R5M | 1.5 | 7.3 | 9 | 10 | 16 |

| | | | | | |
|--------------|-----|------|----|-----|-----|
| FXC1030-2R2M | 2.2 | 10 | 12 | 9 | 14 |
| FXC1030-4R7M | 4.7 | 20.7 | 25 | 6 | 8.5 |
| FXC1030-8R2M | 8.2 | 47 | 55 | 4 | 6 |
| FXC1030-100M | 10 | 49 | 56 | 4 | 5 |
| FXC1030-150M | 15 | 63.6 | 65 | 3.5 | 4 |

FXC1040 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μH)±20% @0A | DCR (mΩ) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---------------------------------|----------|------|--|--|
| | | Typ. | Max | | |
| FXC1040-R22M | 0.22 | 0.7 | 1.1 | 30 | 60 |
| FXC1040-R33M | 0.33 | 1.1 | 1.4 | 30 | 50 |
| FXC1040-R36M | 0.36 | 1.1 | 1.4 | 30 | 50 |
| FXC1040-R47M | 0.47 | 1.2 | 1.8 | 26 | 38 |
| FXC1040-R56M | 0.56 | 1.5 | 1.8 | 23 | 33 |
| FXC1040-R68M | 0.68 | 2.0 | 3.0 | 23 | 32 |
| FXC1040-R90M | 0.9 | 2.2 | 3.0 | 21 | 30 |
| FXC1040-1R0M | 1.0 | 3.58 | 4.1 | 18 | 28 |
| FXC1040-1R5M | 1.5 | 4.8 | 5.8 | 16 | 27 |
| FXC1040-2R2M | 2.2 | 7 | 9 | 12 | 22 |
| FXC1040-3R3M | 3.3 | 10.3 | 13.5 | 10 | 16 |
| FXC1040-3R9M | 3.9 | 13.7 | 16 | 10 | 16 |
| FXC1040-4R7M | 4.7 | 17.0 | 20.0 | 8 | 14 |
| FXC1040-5R6M | 5.6 | 18.2 | 25 | 8 | 13 |
| FXC1040-6R8M | 6.8 | 23.5 | 28 | 7 | 12 |
| FXC1040-8R2M | 8.2 | 25 | 30 | 6 | 9 |
| FXC1040-100M | 10.0 | 31 | 36.5 | 5 | 9 |
| FXC1040-120M | 12 | 42 | 48 | 5 | 8 |
| FXC1040-150M | 15.0 | 45 | 55 | 4 | 7 |
| FXC1040-220M | 22.0 | 55 | 60 | 3.5 | 6 |
| FXC1040-330M | 33.0 | 140 | 155 | 3 | 4.5 |
| FXC1040-470M | 47.0 | 128 | 145 | 3 | 3 |
| FXC1040-680M | 68.0 | 205 | 220 | 2 | 3.5 |
| FXC1040-101M | 100 | 260 | 300 | 1 | 1.5 |

FXC1050 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μH)±20% @0A | DCR (mΩ) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---------------------------------|----------|-----|--|--|
| | | Typ. | Max | | |
| FXC1050-R82M | 0.82 | 1.8 | 2.5 | 16 | 32 |
| FXC1050-1R0M | 1.0 | 3 | 4 | 15 | 30 |
| FXC1050-1R8M | 1.8 | 4.5 | 6 | 15 | 27.5 |
| FXC1050-2R2M | 2.2 | 6 | 8 | 14 | 27 |
| FXC1050-3R3M | 3.3 | 7.5 | 11 | 10 | 19 |
| FXC1050-4R7M | 4.7 | 14 | 17 | 9 | 14 |

| | | | | | |
|--------------|-----|------|-----|-----|----|
| FXC1050-6R8M | 6.8 | 17.5 | 22 | 8 | 10 |
| FXC1050-100M | 10 | 31 | 38 | 6.8 | 10 |
| FXC1050-150M | 15 | 39 | 45 | 6 | 10 |
| FXC1050-220M | 22 | 52 | 60 | 5 | 7 |
| FXC1050-330M | 33 | 127 | 145 | 3.5 | 6 |

FXC1060 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC1060-1R0M | 1.0 | 2.3 | 3 | 16 | 27 |
| FXC1060-1R5M | 1.5 | 4 | 5 | 15 | 25 |
| FXC1060-2R2M | 2.2 | 5.1 | 7 | 14 | 20 |
| FXC1060-3R3M | 3.3 | 7 | 9 | 13 | 19 |
| FXC1060-4R7M | 4.7 | 14 | 17 | 9 | 15 |
| FXC1060-6R8M | 6.8 | 18 | 24 | 8 | 13 |
| FXC1060-100M | 10 | 28 | 35 | 7 | 11 |

12 系 SPECIFICATION

FXC1235 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC1235-R22M | 0.22 | 0.85 | 1.3 | 25 | 65 |
| FXC1235-R68M | 0.68 | 2.1 | 2.5 | 20 | 49 |
| FXC1235-R47M | 0.47 | 1.17 | 1.7 | 18 | 35 |
| FXC1235-1R0M | 1.0 | 3.3 | 3.5 | 15 | 26 |
| FXC1235-1R5M | 1.5 | 4.3 | 5.0 | 15 | 24 |
| FXC1235-2R2M | 2.2 | 7 | 8 | 14 | 20 |
| FXC1235-3R3M | 3.3 | 10 | 12 | 12 | 16 |
| FXC1235-4R7M | 4.7 | 14 | 15 | 10 | 14 |

| | | | | | |
|--------------|-----|----|----|---|----|
| FXC1235-6R8M | 6.8 | 21 | 25 | 8 | 12 |
| FXC1235-100M | 10 | 28 | 35 | 6 | 10 |

FXC1240 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC1240-R47M | 0.47 | 1.5 | 2.0 | 23 | 55 |
| FXC1240-R60M | 0.6 | 2 | 3 | 22 | 40 |
| FXC1240-1R0M | 1.0 | 2.7 | 3.5 | 19 | 38 |
| FXC1240-1R5M | 1.5 | 3.26 | 4.5 | 16 | 30 |
| FXC1240-1R8M | 1.8 | 6.4 | 8.3 | 16 | 26 |
| FXC1240-2R2M | 2.2 | 6.3 | 9.5 | 15 | 22 |
| FXC1240-3R3M | 3.3 | 8.7 | 10 | 14 | 20 |
| FXC1240-4R7M | 4.7 | 12 | 14 | 9 | 15 |
| FXC1240-5R6M | 5.6 | 15 | 17 | 8 | 14 |
| FXC1240-6R8M | 6.8 | 17 | 24 | 7 | 12 |
| FXC1240-8R2M | 8.2 | 24.4 | 28 | 7 | 12 |
| FXC1240-100M | 10 | 28 | 35 | 6 | 10 |
| FXC1240-150M | 15 | 55.03 | 60 | 5 | 9 |
| FXC1240-220M | 22 | 69.3 | 80 | 4 | 7 |

FXC1250 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|-----|--|--|
| | | Typ. | Max | | |
| FXC1250-R33M | 0.33 | 0.74 | 1.0 | 32 | 60 |
| FXC1250-R36M | 0.36 | 0.9 | 1.2 | 28 | 50 |
| FXC1250-R47M | 0.47 | 1.04 | 1.3 | 25 | 48 |
| FXC1250-R56M | 0.56 | 1.35 | 1.5 | 23 | 46 |
| FXC1250-R68M | 0.68 | 1.3 | 1.5 | 20 | 40 |
| FXC1250-R82M | 0.82 | 2.0 | 2.5 | 19 | 39 |
| FXC1250-1R0M | 1.0 | 2.4 | 3.5 | 18 | 35 |
| FXC1250-1R5M | 1.5 | 2.8 | 4.1 | 18 | 33 |
| FXC1250-1R8M | 1.8 | 3.0 | 4.3 | 17 | 30 |
| FXC1250-2R2M | 2.2 | 3.3 | 4.5 | 16 | 25 |
| FXC1250-3R3M | 3.3 | 10.2 | 13 | 15 | 23 |
| FXC1250-4R7M | 4.7 | 13.5 | 15 | 12 | 21 |
| FXC1250-5R6M | 5.6 | 14.0 | 17 | 12 | 20 |

| | | | | | |
|--------------|------|------|------|-----|-----|
| FXC1250-6R8M | 6.8 | 15.4 | 19 | 11 | 18 |
| FXC1250-8R2M | 8.2 | 18.9 | 22.5 | 10 | 17 |
| FXC1250-100M | 10.0 | 23 | 25.5 | 6 | 13 |
| FXC1250-150M | 15.0 | 51 | 60 | 6 | 12 |
| FXC1250-220M | 22.0 | 63 | 75 | 4 | 8 |
| FXC1250-330M | 33.0 | 69 | 82 | 3 | 6 |
| FXC1250-470M | 47.0 | 78 | 90 | 2.5 | 3.5 |
| FXC1250-560M | 56.0 | 143 | 180 | 2 | 3.5 |
| FXC1250-680M | 68.0 | 154 | 210 | 1.5 | 3.5 |

FXC1260 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|------|--|--|
| | | Typ. | Max | | |
| FXC1260-R33M | 0.33 | 1.3 | 2.3 | 46 | 55 |
| FXC1260-R68M | 0.68 | 1.5 | 2.8 | 35 | 45 |
| FXC1260-1R0M | 1.0 | 1.8 | 3.5 | 21 | 40 |
| FXC1260-2R2M | 2.2 | 3.3 | 4.5 | 20 | 32 |
| FXC1260-3R3M | 3.3 | 6.4 | 8.2 | 15 | 30 |
| FXC1260-4R7M | 4.7 | 10 | 13.5 | 12 | 25 |
| FXC1260-5R6M | 5.6 | 17 | 21 | 12 | 22 |
| FXC1260-6R8M | 6.8 | 18 | 23 | 11 | 20 |
| FXC1260-100M | 10 | 22 | 30 | 10 | 12.5 |
| FXC1260-220M | 22 | 38 | 45 | 5 | 7.5 |

FXC1265 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | DCR (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---|-------------------|------|--|--|
| | | Typ. | Max | | |
| FXC1265-R22M | 0.22 | 0.60 | 0.81 | 60 | 60 |
| FXC1265-R56M | 0.56 | 1.2 | 1.7 | 30 | 60 |
| FXC1265-R68M | 0.68 | 1.3 | 1.8 | 28 | 54 |
| FXC1265-R82M | 0.82 | 1.6 | 2.0 | 25 | 50 |
| FXC1265-1R0M | 1.0 | 1.7 | 2.5 | 25 | 49 |
| FXC1265-1R5M | 1.5 | 1.9 | 3.5 | 22 | 45 |
| FXC1265-2R2M | 2.2 | 3.5 | 4.5 | 18 | 40 |
| FXC1265-3R3M | 3.3 | 5.5 | 8.2 | 16 | 28 |
| FXC1265-4R7M | 4.7 | 11 | 14 | 14 | 22.5 |
| FXC1265-5R6M | 5.6 | 12 | 15 | 12 | 20 |
| FXC1265-6R8M | 6.8 | 10 | 13 | 11.5 | 18 |
| FXC1265-8R2M | 8.2 | 17 | 25 | 10 | 16 |

| | | | | | |
|--------------|------|----|-----|-----|------|
| FXC1265-100M | 10.0 | 16 | 25 | 10 | 15.5 |
| FXC1265-150M | 15.0 | 31 | 38 | 6 | 9 |
| FXC1265-220M | 22.0 | 42 | 48 | 5 | 7.5 |
| FXC1265-330M | 33.0 | 61 | 66 | 4 | 6.5 |
| FXC1265-470M | 47.0 | 80 | 90 | 3.5 | 5 |
| FXC1265-560M | 56.0 | 90 | 110 | 3 | 4 |
| FXC1265-680M | 68.0 | 92 | 123 | 2.5 | 3 |

FXC1770 系 SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(uH)±20% @0A | DCR (mΩ) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ₁ | SATURATION CURRENT(I _{sat}) DC AMPS ₂ |
|--------------|---------------------------------|----------|------|--|--|
| | | Typ. | Max | | |
| FXC1770-R22M | 0.22 | 0.55 | 0.70 | 60 | 100 |
| FXC1770-R33M | 0.33 | 0.7 | 0.8 | 55 | 90 |
| FXC1770-R47M | 0.47 | 0.8 | 1.0 | 50 | 80 |
| FXC1770-R56M | 0.56 | 0.9 | 1.15 | 46 | 70 |
| FXC1770-R82M | 0.82 | 1.17 | 1.3 | 42 | 60 |
| FXC1770-1R0M | 1.0 | 1.45 | 1.7 | 38 | 50 |
| FXC1770-1R5M | 1.5 | 1.8 | 2.15 | 35 | 45 |
| FXC1770-2R2M | 2.2 | 2.15 | 2.6 | 25 | 34 |
| FXC1770-3R3M | 3.3 | 2.61 | 3.5 | 17 | 24 |
| FXC1770-4R7M | 4.7 | 3.38 | 5 | 15 | 21 |
| FXC1770-6R8M | 6.8 | 5.53 | 7.0 | 15 | 18 |
| FXC1770-8R2M | 8.2 | 7 | 9 | 12 | 18 |
| FXC1770-100M | 10 | 8 | 10 | 11 | 17 |
| FXC1770-150M | 15 | 12 | 15 | 9 | 12 |
| FXC1770-220M | 22 | 19.18 | 25 | 7 | 9.5 |
| FXC1770-330M | 33 | 30.65 | 35 | 6.5 | 9 |
| FXC1770-470M | 47 | 36.75 | 40 | 5.5 | 7.5 |
| FXC1770-680M | 68 | 61 | 80 | 4 | 5 |
| FXC1770-820M | 82 | 95.55 | 105 | 4 | 4.5 |
| FXC1770-101M | 100 | 111 | 120 | 3 | 4 |

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