

APS Series

Features

- Alloy powder Inductor.
- 100% lead (Pb)-free.
- Lowest DCR/uH, in this package size.
- Handles high transient current spikes without saturation.
- Ultra low buzz noise, due to composite construction.
- RoHS compliance.

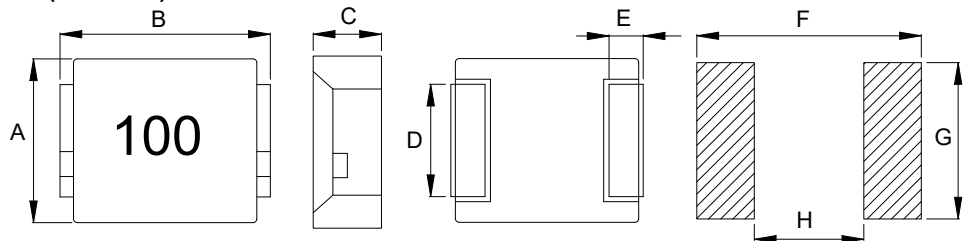
Applications

- Notebook/Desktop/Server applications.
- Low profile, high current power supplies.
- DC/DC converter for Field Programmable Gate Array(FPGA).

Test Equipment and Conditions

- All test data is referenced to 25°C ambient.
- Operating temperature range -40°C to +125°C.(Including self - temperature rise)
- DC current(Irms)that will cause an approximate ΔT of 40°C.
- DC current(Isat)that will cause Lo to drop approximately 40%.
- Absolute maximum voltage 30VDC.

External Dimensions (Unit:m/m)



| Type | A | B | C | D Typ. | E Typ. | F Typ. | H Typ. | Q'Ty/Reel |
|----------|----------|---------|--------|--------|--------|--------|--------|-----------|
| APS04A10 | 4.1±0.2 | 4.1±0.2 | 1.0Max | 1.8 | 0.8 | 4.4 | 2.2 | 5000 |
| APS04A12 | 4.2±0.3 | 4.8Max | 1.2Max | 2.0 | 0.8 | 5.2 | 2.5 | 3000 |
| APS04D20 | 4.0±0.3 | 4.8Max | 2.0Max | 1.5 | 0.8 | 5.2 | 2.5 | 3000 |
| APS04A20 | 4.2±0.3 | 4.8Max | 2.0Max | 2.0 | 0.8 | 5.2 | 2.5 | 3000 |
| APS05A15 | 5.2±0.3 | 5.8Max | 1.5Max | 2.2 | 1.2 | 5.0 | 2.5 | 3000 |
| APS05A18 | 5.2±0.3 | 5.8Max | 1.8Max | 2.2 | 1.2 | 6.0 | 2.5 | 2000 |
| APS05A30 | 5.2±0.3 | 5.8Max | 3.0Max | 2.2 | 1.2 | 6.0 | 2.5 | 2000 |
| APS06A10 | 6.1±0.3 | 6.1±0.3 | 1.0Max | 4.0 | 1.75 | 7.5 | 4.5 | 3000 |
| APS07A12 | 6.6±0.3 | 7.7Max | 1.2Max | 3.0 | 1.6 | 8.4 | 3.5 | 2000 |
| APS07A15 | 6.6±0.3 | 7.7Max | 1.5Max | 3.0 | 1.6 | 8.4 | 3.5 | 2000 |
| APS07A18 | 6.6±0.3 | 7.7Max | 1.8Max | 3.0 | 1.6 | 8.4 | 3.5 | 1500 |
| APS07A24 | 6.6±0.3 | 7.7Max | 2.4Max | 3.0 | 1.6 | 8.4 | 3.5 | 1500 |
| APS07A30 | 6.6±0.3 | 7.7Max | 3.0Max | 3.0 | 1.6 | 8.4 | 3.5 | 1000 |
| APS07A40 | 6.6±0.3 | 7.7Max | 4.0Max | 3.0 | 1.6 | 8.4 | 3.5 | 1000 |
| APS07A50 | 6.6±0.3 | 7.7Max | 5.0Max | 3.0 | 1.7 | 8.4 | 3.5 | 1000 |
| APS10A20 | 10.0±0.5 | 11.5Max | 2.0M | 3.0 | 2.0 | 13.6 | 4.1 | 1000 |
| APS10A30 | 10.0±0.5 | 11.5Max | 3.0Max | 3.0 | 2.0 | 13.6 | 4.1 | 1000 |
| APS10A40 | 10.0±0.5 | 11.5Max | 4.0Max | 3.0 | 2.0 | 13.6 | 4.1 | 500 |
| APS10A50 | 10.0±0.5 | 11.5Max | 5.0Max | 3.0 | 2.0 | 13.6 | 4.1 | 500 |
| APS13A50 | 12.6±0.3 | 13.9Max | 5.0Max | 5.0 | 2.0 | 14.5 | 5.0 | 500 |
| APS13A60 | 12.6±0.3 | 13.9Max | 6.0Max | 5.0 | 2.0 | 14.5 | 5.0 | 500 |
| APS13A65 | 12.6±0.3 | 13.9Max | 6.5Max | 5.0 | 2.0 | 14.5 | 5.0 | 500 |
| APS17A70 | 16.9±0.3 | 17.5Max | 7.0Max | 11.9 | 2.5 | 20.0 | 12.3 | 200 |

Part Number Code

APS 04 A 12 M R15
 A B C D E F

A: Series Name Molding Power Inductors
 B: Dimensions(mm) 04: 4.2 x 4.8
 C: Materials A Type
 D: Thickness(mm) 12: 1.2 Max
 E: Tolerance M: ±20%
 F: Inductance R15=0.15uH

APS Series

| Part Number | Inductance (uH) @100KHz/1V | DC Resistance (mΩ) Max. | Heat Rating Current Irms (A)Typ. | Saturation Current Isat (A)Typ. |
|--------------|----------------------------|-------------------------|----------------------------------|---------------------------------|
| APS04A10M2R2 | 2.2 | 100.0 | 3.4 | 4.3 |
| APS04A10M4R7 | 4.7 | 160.0 | 2.6 | 2.5 |
| APS04A10M100 | 10.0 | 336.0 | 1.5 | 1.8 |
| APS04A12MR15 | 0.15 | 8.9 | 7.57 | 15.16 |
| APS04A12MR22 | 0.22 | 10.9 | 7.05 | 11.12 |
| APS04A12MR33 | 0.33 | 18.8 | 6.55 | 8.48 |
| APS04A12MR47 | 0.47 | 20.8 | 6.06 | 6.86 |
| APS04A12MR68 | 0.68 | 35.5 | 4.74 | 6.06 |
| APS04A12M1R0 | 1.0 | 46.5 | 4.55 | 5.55 |
| APS04A12M1R5 | 1.5 | 74.3 | 3.28 | 4.05 |
| APS04A12M2R2 | 2.2 | 82.7 | 2.77 | 3.54 |
| APS04A12M4R7 | 4.7 | 193.0 | 1.82 | 2.83 |
| APS04A20MR10 | 0.1 | 3.9 | 13.13 | 22.22 |
| APS04A20MR22 | 0.22 | 6.5 | 9.60 | 12.62 |
| APS04A20MR33 | 0.33 | 10.9 | 10.1 | 12.13 |
| APS04A20MR47 | 0.47 | 13.8 | 7.55 | 9.59 |
| APS04A20MR56 | 0.56 | 15.8 | 7.07 | 10.11 |
| APS04A20MR68 | 0.68 | 17.8 | 7.07 | 9.1 |
| APS04D20M1R0 | 1.0 | 26.7 | 6.05 | 7.07 |
| APS04A20M1R2 | 1.2 | 26.8 | 6.06 | 7.07 |
| APS04D20M1R5 | 1.5 | 45.5 | 5.05 | 6.05 |
| APS04D20M2R2 | 2.2 | 57.5 | 4.55 | 5.05 |
| APS04A20M3R3 | 3.3 | 86.5 | 3.35 | 4.05 |
| APS04D20M4R7 | 4.7 | 104.0 | 2.82 | 3.03 |
| APS04A20M6R8 | 6.8 | 173.0 | 2.42 | 2.52 |
| APS04A20M100 | 10.0 | 279.0 | 1.61 | 2.22 |

APS Series

| Part Number | Inductance (uH) @100KHz/1V | DC Resistance (mΩ) Max. | Heat Rating Current Irms (A)Typ. | Saturation Current Isat (A)Typ. |
|--------------|----------------------------|-------------------------|----------------------------------|---------------------------------|
| APS04A20M220 | 22.0 | 363.0 | 1.20 | 1.40 |
| APS05A15MR47 | 0.47 | 12.6 | 10.0 | 15.0 |
| APS05A15MR68 | 0.68 | 15.5 | 8.0 | 10.5 |
| APS05A15M1R0 | 1.0 | 23.0 | 6.5 | 9.0 |
| APS05A15M2R2 | 2.2 | 52.0 | 4.0 | 6.0 |
| APS05A15M100 | 10.0 | 170.0 | 2.0 | 3.0 |
| APS05A18MR47 | 0.47 | 8.9 | 10.6 | 15.65 |
| APS05A18MR56 | 0.56 | 9.9 | 9.60 | 15.2 |
| APS05A18M1R0 | 1.0 | 16.8 | 8.08 | 9.1 |
| APS05A18M1R5 | 1.5 | 25.7 | 7.57 | 9.1 |
| APS05A18M2R2 | 2.2 | 34.7 | 5.05 | 6.56 |
| APS05A18M3R3 | 3.3 | 57.4 | 4.55 | 5.05 |
| APS05A18M4R7 | 4.7 | 84.1 | 3.53 | 4.05 |
| APS05A18M6R8 | 6.8 | 118.9 | 2.82 | 3.43 |
| APS05A18M100 | 10.0 | 153.0 | 2.52 | 3.03 |
| APS05A30MR10 | 0.1 | 2.9 | 25.30 | 33.4 |
| APS05A30MR20 | 0.2 | 3.8 | 14.15 | 14.65 |
| APS05A30MR47 | 0.47 | 8.1 | 11.12 | 12.15 |
| APS05A30MR68 | 0.68 | 11.8 | 9.10 | 11.6 |
| APS05A30M1R0 | 1.0 | 13.8 | 8.60 | 11.12 |
| APS05A30M1R2 | 1.2 | 15.8 | 8.60 | 11.12 |
| APS05A30M1R5 | 1.5 | 24.7 | 8.30 | 8.60 |
| APS05A30M2R2 | 2.2 | 28.8 | 7.05 | 7.60 |
| APS05A30M3R3 | 3.3 | 37.6 | 5.55 | 6.05 |
| APS05A30M4R7 | 4.7 | 59.0 | 4.55 | 5.05 |
| APS05A30M6R8 | 6.8 | 89.0 | 3.53 | 4.05 |
| APS05A30M100 | 10.0 | 124.0 | 3.23 | 3.54 |
| APS05A30M150 | 15.0 | 196.0 | 2.00 | 2.20 |
| APS05A30M220 | 22.0 | 248.0 | 1.70 | 2.30 |
| APS06A10M4R7 | 4.7 | 172.0 | 2.2 | 2.8 |
| APS06A10M6R8 | 6.8 | 197.0 | 2.0 | 2.5 |
| APS06A10M100 | 10.0 | 310.0 | 1.6 | 2.1 |
| APS07A12MR56 | 0.56 | 15.4 | 8.08 | 11.11 |
| APS07A12MR68 | 0.68 | 17.3 | 7.05 | 9.09 |

APS Series

| Part Number | Inductance (uH) @100KHz/1V | DC Resistance (mΩ) Max. | Heat Rating Current Irms (A)Typ. | Saturation Current Isat (A)Typ. |
|--------------|----------------------------|-------------------------|----------------------------------|---------------------------------|
| APS07A12M1R0 | 1.0 | 28.7 | 6.05 | 7.57 |
| APS07A12M2R2 | 2.2 | 57.0 | 4.05 | 5.05 |
| APS07A12M3R3 | 3.3 | 91.0 | 3.53 | 4.05 |
| APS07A12M4R7 | 4.7 | 120.8 | 3.03 | 3.55 |
| APS07A12M6R8 | 6.8 | 207.0 | 2.52 | 2.82 |
| APS07A12M100 | 10.0 | 277.0 | 2.02 | 2.22 |
| APS07A15MR47 | 0.47 | 8.5 | 16.0 | 10.0 |
| APS07A15MR56 | 0.56 | 11.0 | 14.0 | 9.0 |
| APS07A15MR68 | 0.68 | 12.0 | 12.0 | 8.5 |
| APS07A15MR82 | 0.82 | 17.0 | 10.0 | 8.0 |
| APS07A15M1R0 | 1.0 | 21.0 | 9.0 | 6.0 |
| APS07A15M2R2 | 2.2 | 54.0 | 7.0 | 3.8 |
| APS07A15M3R3 | 3.3 | 63.0 | 5.5 | 3.5 |
| APS07A15M4R7 | 4.7 | 85.0 | 5.0 | 3.2 |
| APS07A15M6R8 | 6.8 | 135.0 | 4.0 | 2.5 |
| APS07A15M100 | 10.0 | 175.0 | 3.0 | 2.0 |
| APS07A18MR47 | 0.47 | 8.30 | 11.6 | 18.20 |
| APS07A18MR68 | 0.68 | 11.9 | 9.60 | 17.20 |
| APS07A18M1R0 | 1.0 | 15.5 | 8.60 | 14.15 |
| APS07A18M1R5 | 1.5 | 25.7 | 8.08 | 12.12 |
| APS07A18M2R2 | 2.2 | 34.6 | 7.05 | 8.10 |
| APS07A18M3R3 | 3.3 | 49.0 | 4.55 | 6.55 |
| APS07A18M4R7 | 4.7 | 61.0 | 4.05 | 5.05 |
| APS07A18M6R8 | 6.8 | 108.0 | 3.03 | 4.55 |
| APS07A24MR22 | 0.22 | 2.90 | 21.22 | 34.35 |
| APS07A24MR33 | 0.33 | 4.0 | 18.18 | 24.75 |
| APS07A24MR47 | 0.47 | 5.0 | 15.15 | 22.22 |
| APS07A24MR56 | 0.56 | 6.4 | 13.15 | 17.20 |
| APS07A24MR68 | 0.68 | 6.9 | 12.15 | 16.15 |
| APS07A24M1R0 | 1.0 | 13.3 | 9.10 | 16.15 |
| APS07A24M1R5 | 1.5 | 20.0 | 9.10 | 15.15 |
| APS07A24M2R2 | 2.2 | 27.8 | 7.05 | 14.15 |
| APS07A24M3R3 | 3.3 | 38.5 | 5.55 | 10.10 |
| APS07A24M4R7 | 4.7 | 59.5 | 5.05 | 7.55 |

APS Series

| Part Number | Inductance (uH) @100KHz/1V | DC Resistance (mΩ) Max. | Heat Rating Current Irms (A)Typ. | Saturation Current Isat (A)Typ. |
|--------------|----------------------------|-------------------------|----------------------------------|---------------------------------|
| APS07A24M6R8 | 6.8 | 70.0 | 4.05 | 6.06 |
| APS07A24M100 | 10.0 | 100.0 | 3.13 | 4.05 |
| APS07A24M150 | 15.0 | 158.0 | 2.52 | 3.33 |
| APS07A24M220 | 22.0 | 227.0 | 2.02 | 2.52 |
| APS07A30MR10 | 0.10 | 1.7 | 35.00 | 43.00 |
| APS07A30MR12 | 0.12 | 0.95 | 36.00 | 50.00 |
| APS07A30MR15 | 0.15 | 2.3 | 26.00 | 41.00 |
| APS07A30MR22 | 0.22 | 3.0 | 24.25 | 34.35 |
| APS07A30MR24 | 0.24 | 3.0 | 23.23 | 26.26 |
| APS07A30MR33 | 0.33 | 3.5 | 21.20 | 25.25 |
| APS07A30MR47 | 0.47 | 4.1 | 18.20 | 20.20 |
| APS07A30MR56 | 0.56 | 4.3 | 16.65 | 18.20 |
| APS07A30MR68 | 0.68 | 5.3 | 16.16 | 17.15 |
| APS07A30MR82 | 0.82 | 5.9 | 14.14 | 16.15 |
| APS07A30M1R0 | 1.0 | 7.3 | 12.12 | 15.15 |
| APS07A30M1R5 | 1.5 | 12.0 | 12.12 | 14.15 |
| APS07A30M2R2 | 2.2 | 14.8 | 9.60 | 10.10 |
| APS07A30M3R3 | 3.3 | 21.8 | 8.55 | 9.55 |
| APS07A30M4R7 | 4.7 | 32.5 | 6.06 | 9.00 |
| APS07A30M6R8 | 6.8 | 47.5 | 5.05 | 6.05 |
| APS07A30M8R2 | 8.2 | 59.5 | 5.05 | 6.05 |
| APS07A30M100 | 10.0 | 66.3 | 4.55 | 5.55 |
| APS07A30M150 | 15.0 | 113.0 | 3.03 | 4.55 |
| APS07A30M220 | 22.0 | 170.0 | 2.50 | 3.03 |
| APS07A30M330 | 33.0 | 270.0 | 2.02 | 2.52 |
| APS07A30M470 | 47.0 | 385.0 | 1.50 | 2.00 |
| APS07A40MR22 | 0.22 | 1.78 | 33.35 | 35.35 |
| APS07A40MR47 | 0.47 | 3.9 | 20.20 | 21.20 |
| APS07A40MR68 | 0.68 | 4.75 | 18.20 | 19.20 |
| APS07A40M1R0 | 1.0 | 5.95 | 14.15 | 17.15 |
| APS07A40M1R5 | 1.5 | 10.0 | 12.10 | 15.15 |
| APS07A40M2R2 | 2.2 | 13.3 | 11.10 | 13.10 |
| APS07A40M3R3 | 3.3 | 19.5 | 10.00 | 12.65 |
| APS07A40M4R7 | 4.7 | 29.5 | 7.05 | 9.10 |

APS Series

| Part Number | Inductance (uH) @100KHz/1V | DC Resistance (mΩ) Max. | Heat Rating Current Irms (A)Typ. | Saturation Current Isat (A)Typ. |
|--------------|----------------------------|-------------------------|----------------------------------|---------------------------------|
| APS07A40M100 | 10.0 | 64.5 | 5.05 | 5.05 |
| APS07A40M150 | 15.0 | 103.0 | 4.05 | 4.55 |
| APS07A40M220 | 22.0 | 123.5 | 3.55 | 4.05 |
| APS07A50MR22 | 0.22 | 2.5 | 30.03 | 35.35 |
| APS07A50MR47 | 0.47 | 4.8 | 20.02 | 21.21 |
| APS07A50MR56 | 0.56 | 5.4 | 18.18 | 18.18 |
| APS07A50MR68 | 0.68 | 5.9 | 16.16 | 16.16 |
| APS07A50MR82 | 0.82 | 7.3 | 14.15 | 15.15 |
| APS07A50M1R0 | 1.0 | 6.4 | 14.15 | 18.18 |
| APS07A50M1R5 | 1.5 | 7.4 | 12.12 | 15.65 |
| APS07A50M2R2 | 2.2 | 12.3 | 10.10 | 14.14 |
| APS07A50M3R3 | 3.3 | 21.7 | 8.58 | 12.12 |
| APS07A50M4R7 | 4.7 | 24.7 | 7.07 | 10.10 |
| APS07A50M6R8 | 6.8 | 54.5 | 5.50 | 7.07 |
| APS07A50M8R2 | 8.2 | 67.5 | 5.05 | 6.06 |
| APS07A50M100 | 10.0 | 54.3 | 4.55 | 6.55 |
| APS07A50M150 | 15.0 | 85.0 | 3.10 | 4.50 |
| APS07A50M220 | 22.0 | 138.0 | 2.52 | 4.04 |
| APS07A50M330 | 33.0 | 178.0 | 2.32 | 3.53 |
| APS07A50M470 | 47.0 | 227.0 | 2.02 | 2.62 |
| APS07A50M680 | 68.0 | 438.0 | 1.20 | 1.70 |
| APS07A50M101 | 100.0 | 680.0 | 0.70 | 1.00 |
| APS10A20M4R7 | 4.7 | 50 | 5.0 | 8.0 |
| APS10A20M100 | 10 | 70 | 4.0 | 5.0 |
| APS10A30MR22 | 0.22 | 1.2 | 33.0 | 50.0 |
| APS10A30MR33 | 0.33 | 1.6 | 23.0 | 32.0 |
| APS10A30MR36 | 0.36 | 1.6 | 23.0 | 28.0 |
| APS10A30MR47 | 0.47 | 2.5 | 22.0 | 26.0 |
| APS10A30MR82 | 0.82 | 3.7 | 18.0 | 23.0 |
| APS10A30M1R0 | 1.0 | 6.0 | 15.0 | 21.0 |
| APS10A30M2R2 | 2.2 | 9.0 | 11.0 | 14.0 |
| APS10A30M3R3 | 3.3 | 16.0 | 9.0 | 12.0 |
| APS10A30M4R7 | 4.7 | 24.0 | 7.0 | 10.0 |
| APS10A30M8R2 | 8.2 | 45.0 | 5.0 | 7.0 |

APS Series

| Part Number | Inductance (uH) @100KHz/1V | DC Resistance (mΩ) Max. | Heat Rating Current Irms (A)Typ. | Saturation Current Isat (A)Typ. |
|--------------|----------------------------|-------------------------|----------------------------------|---------------------------------|
| APS10A30M100 | 10.0 | 50.0 | 4.0 | 7.0 |
| APS10A30M330 | 33.0 | 160.0 | 2.5 | 4.0 |
| APS10A40MR15 | 0.15 | 0.6 | 45.45 | 75.75 |
| APS10A40MR22 | 0.22 | 1.0 | 35.35 | 60.60 |
| APS10A40MR30 | 0.3 | 1.0 | 35.35 | 50.50 |
| APS10A40MR36 | 0.36 | 1.2 | 30.30 | 50.50 |
| APS10A40MR47 | 0.47 | 1.6 | 30.30 | 40.40 |
| APS10A40MR56 | 0.56 | 1.7 | 25.25 | 33.33 |
| APS10A40MR68 | 0.68 | 2.3 | 23.23 | 30.30 |
| APS10A40MR80 | 0.8 | 2.6 | 23.23 | 29.30 |
| APS10A40M1R0 | 1.0 | 3.2 | 19.20 | 28.28 |
| APS10A40M1R5 | 1.5 | 4.1 | 16.15 | 26.25 |
| APS10A40M2R2 | 2.2 | 6.9 | 12.12 | 18.18 |
| APS10A40M3R3 | 3.3 | 11.6 | 11.10 | 16.15 |
| APS10A40M4R7 | 4.7 | 19.9 | 9.10 | 15.15 |
| APS10A40M5R6 | 5.6 | 22.0 | 8.50 | 12.00 |
| APS10A40M6R8 | 6.8 | 24.7 | 8.58 | 12.12 |
| APS10A40M8R2 | 8.2 | 26.5 | 8.08 | 9.10 |
| APS10A40M100 | 10.0 | 29.7 | 7.87 | 8.60 |
| APS10A40M150 | 15.0 | 44.5 | 6.55 | 7.07 |
| APS10A40M220 | 22.0 | 65.3 | 5.05 | 5.55 |
| APS10A40M330 | 33.0 | 91.0 | 4.44 | 5.05 |
| APS10A40M470 | 47.0 | 143.0 | 3.33 | 3.53 |
| APS10A40M680 | 68.0 | 193.0 | 2.52 | 3.03 |
| APS10A40M101 | 100.0 | 340.0 | 2.20 | 2.30 |
| APS10A50MR22 | 0.22 | 0.8 | 37.0 | 65.0 |
| APS10A50M1R0 | 1.0 | 2.8 | 23.5 | 30.0 |
| APS10A50M2R2 | 2.2 | 6.0 | 15.5 | 19.0 |
| APS10A50M3R3 | 3.3 | 9.8 | 14.0 | 16.0 |
| APS10A50M4R7 | 4.7 | 14.0 | 11.0 | 15.0 |
| APS10A50M5R6 | 5.6 | 17.0 | 9.7 | 14.0 |
| APS10A50M6R8 | 6.8 | 18.5 | 9.2 | 14.0 |
| APS10A50M100 | 10.0 | 28.0 | 8.2 | 10.0 |
| APS10A50M150 | 15.0 | 42.0 | 6.5 | 7.5 |

APS Series

| Part Number | Inductance (uH) @100KHz/1V | DC Resistance (mΩ) Max. | Heat Rating Current Irms (A)Typ. | Saturation Current Isat (A)Typ. |
|--------------|----------------------------|-------------------------|----------------------------------|---------------------------------|
| APS10A50M220 | 22.0 | 50.0 | 5.5 | 6.0 |
| APS10A50M330 | 33.0 | 86.0 | 4.8 | 5.2 |
| APS10A50M470 | 47.0 | 127.0 | 3.7 | 4.5 |
| APS10A50M101 | 100.0 | 290.0 | 2.1 | 2.8 |
| APS13A50MR22 | 0.22 | 0.7 | 50.50 | 75.75 |
| APS13A50MR36 | 0.36 | 0.8 | 42.40 | 50.50 |
| APS13A50MR47 | 0.47 | 1.1 | 38.38 | 48.50 |
| APS13A50MR68 | 0.68 | 1.5 | 33.33 | 46.46 |
| APS13A50MR82 | 0.82 | 1.6 | 30.30 | 39.39 |
| APS13A50M1R0 | 1.0 | 2.2 | 26.26 | 35.35 |
| APS13A50M1R5 | 1.5 | 3.1 | 23.23 | 33.33 |
| APS13A50M2R2 | 2.2 | 4.9 | 15.15 | 24.25 |
| APS13A50M3R3 | 3.3 | 6.9 | 14.15 | 22.23 |
| APS13A50M4R7 | 4.7 | 8.9 | 13.13 | 21.20 |
| APS13A50M6R8 | 6.8 | 17.9 | 12.12 | 16.16 |
| APS13A50M100 | 10.0 | 21.8 | 9.10 | 12.12 |
| APS13A50M220 | 22.0 | 57.4 | 4.55 | 6.56 |
| APS13A50M330 | 33.0 | 83.0 | 3.53 | 6.05 |
| APS13A50M470 | 47.0 | 128.0 | 3.03 | 5.05 |
| APS13A60M1R0 | 1.0 | 2.1 | 28.00 | 31.00 |
| APS13A60M1R5 | 1.5 | 2.7 | 16.00 | 28.00 |
| APS13A60M2R2 | 2.2 | 2.7 | 16.00 | 22.00 |
| APS13A60M3R3 | 3.3 | 6.8 | 17.50 | 25.00 |
| APS13A60M4R7 | 4.7 | 9.9 | 15.15 | 24.24 |
| APS13A60M5R6 | 5.6 | 10.9 | 13.13 | 22.73 |
| APS13A60M6R8 | 6.8 | 13.3 | 12.12 | 19.19 |
| APS13A60M7R8 | 7.8 | 14.4 | 11.61 | 18.18 |
| APS13A60M8R2 | 8.2 | 15.8 | 11.11 | 13.63 |
| APS13A60M100 | 10.0 | 20.4 | 10.10 | 12.62 |
| APS13A60M120 | 12.0 | 22.7 | 9.10 | 10.10 |
| APS13A60M150 | 15.0 | 28.7 | 8.58 | 9.10 |
| APS13A60M180 | 18.0 | 34.6 | 7.57 | 8.08 |
| APS13A60M220 | 22.0 | 39.0 | 7.07 | 7.57 |

APS Series

| Part Number | Inductance (uH) @100KHz/1V | DC Resistance (mΩ) Max. | Heat Rating Current Irms (A)Typ. | Saturation Current Isat (A)Typ. |
|--------------|----------------------------|-------------------------|----------------------------------|---------------------------------|
| APS13A60M270 | 27.0 | 55.4 | 6.06 | 6.56 |
| APS13A60M330 | 33.0 | 74.3 | 5.55 | 6.06 |
| APS13A60M470 | 47.0 | 89.1 | 5.05 | 5.55 |
| APS13A60M680 | 68.0 | 138.6 | 4.04 | 4.54 |
| APS13A60M101 | 100.0 | 198.0 | 3.03 | 3.53 |
| APS13A60M121 | 120.0 | 232.6 | 2.02 | 3.23 |
| APS13A60M151 | 150.0 | 346.5 | 1.52 | 2.72 |
| APS13A65M4R7 | 4.7 | 8.5 | 16.00 | 24.50 |
| APS13A65M5R6 | 5.6 | 10.5 | 14.00 | 23.00 |
| APS13A65M6R8 | 6.8 | 12 | 13.00 | 19.30 |
| APS13A65M8R2 | 8.2 | 14 | 12.00 | 16.00 |
| APS13A65M100 | 10 | 16.5 | 11.00 | 15.00 |
| APS13A65M150 | 15 | 26 | 9.50 | 11.00 |
| APS13A65M220 | 22 | 36 | 8.00 | 9.00 |
| APS13A65M330 | 33 | 65 | 6.50 | 8.00 |
| APS13A65M470 | 47 | 70 | 5.50 | 6.80 |
| APS13A65M680 | 68 | 120 | 4.80 | 5.20 |
| APS13A65M820 | 82 | 135 | 4.00 | 4.50 |
| APS13A65M101 | 100 | 170 | 3.50 | 4.00 |
| APS17A70M1R0 | 1.0 | 1.5 | 42.5 | 62.62 |
| APS17A70M2R2 | 2.2 | 2.5 | 29.3 | 34.34 |
| APS17A70M3R3 | 3.3 | 2.9 | 24.7 | 27.27 |
| APS17A70M4R7 | 4.7 | 4.67 | 16.2 | 24.24 |
| APS17A70M6R8 | 6.8 | 7.5 | 14.1 | 22.22 |
| APS17A70M8R2 | 8.2 | 8.6 | 12.6 | 20.20 |
| APS17A70M100 | 10.0 | 9.9 | 11.0 | 18.20 |
| APS17A70M150 | 15.0 | 17.3 | 10.1 | 14.65 |
| APS17A70M200 | 20.0 | 21.6 | 9.60 | 12.12 |
| APS17A70M220 | 22.0 | 22.7 | 8.10 | 11.11 |
| APS17A70M330 | 33.0 | 36.6 | 7.00 | 10.10 |
| APS17A70M470 | 47.0 | 46.5 | 6.00 | 7.57 |
| APS17A70M680 | 68.0 | 84.2 | 5.60 | 6.56 |
| APS17A70M101 | 100.0 | 128.7 | 4.10 | 4.55 |