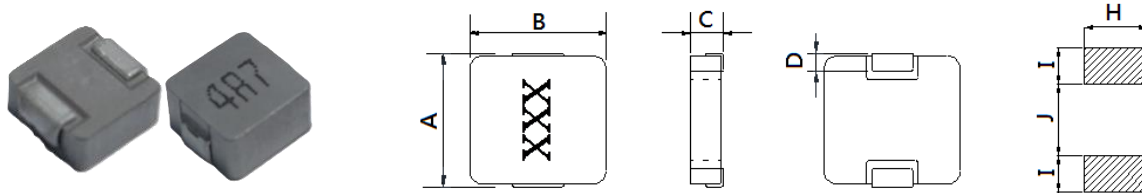


Power Inductor – YMA0530T Series

EXTERNAL DIMENSIONS

(Unit: mm)



| Type | A | B | C | D | H | I | J |
|----------|----------|----------|---------|----------|------|------|-----|
| YMA0530T | 5.4±0.30 | 5.2±0.20 | 2.8±0.2 | 1.2±0.20 | 2.50 | 1.50 | 2.2 |

Features

- YM series, an automatic assembly power inductor, is shielded with Iron powder and suitable for the Portable DC-DC converter application.
- RoHS compliant.
- Highly accurate dimensions can be mounted automatically.
- Terminals are highly resistant to pull forces.
- Superior EMI electrical with ultra low radiation comparing to conventional shielded power inductors.

Applications

- LCD TV, Monitor, Ap Router, STB, Smart Phone, Touch Panel, DSC, Game Console and other electronic devices.

Test Conditions

- Idc1(Isat):DC current (A) that will cause L0 to drop approximately 30 % Typ.
- Idc2(Irms):. DC current (A) that will cause an approximate ΔT of 40 °C Typ
- Operating Temperature : -55°C~ +125°C.

| Part Number | Inductance L(uH) | Test Frequency (KHz) | DC Resistance (mΩ)Max. | Idc1 (Isat) (A)Typ. | Idc2 (Irms) (A)Typ. |
|---------------|------------------|----------------------|------------------------|---------------------|---------------------|
| YMA0530T-R10M | 0.10 | 100 | 3.0 | 33 | 25 |
| YMA0530T-R20M | 0.20 | 100 | 3.9 | 14.5 | 14 |
| YMA0530T-R47M | 0.47 | 100 | 8.5 | 12.0 | 11 |
| YMA0530T-R68M | 0.68 | 100 | 12 | 11.5 | 9.0 |
| YMA0530T-1R0M | 1.00 | 100 | 14 | 11.0 | 8.5 |
| YMA0530T-1R2M | 1.20 | 100 | 16 | 11.0 | 8.5 |
| YMA0530T-1R5M | 1.50 | 100 | 25 | 8.5 | 8.2 |
| YMA0530T-2R2M | 2.20 | 100 | 29 | 7.5 | 7.0 |
| YMA0530T-3R3M | 3.30 | 100 | 38 | 6.0 | 5.5 |
| YMA0530T-4R7M | 4.70 | 100 | 60 | 5.0 | 4.5 |
| YMA0530T-6R8M | 6.80 | 100 | 90 | 4.0 | 3.5 |
| YMA0530T-100M | 10 | 100 | 125 | 3.5 | 3.2 |

NOTE: Tolerance value: M = ±20%

SMT