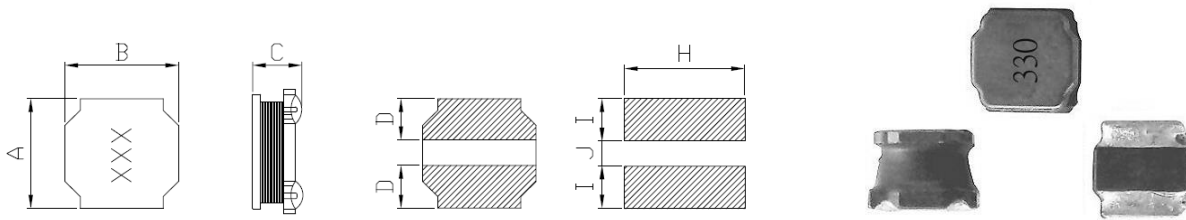


Power Inductor – YCDM5020CT Series

EXTERNAL DIMENSIONS

(Unit: mm)



| Type | A | B | C | D | H | I | J |
|------------|---------|---------|---------|----------|------|-----|-----|
| YCDM5020CT | 5.0±0.2 | 5.0±0.2 | 1.7±0.3 | 1.25±0.2 | 4.20 | 1.4 | 2.3 |

Features

- YCDM series, an automatic assembly power inductor, is shielded with magnetic resin 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) base on inductance change $\Delta L / L0A$: drop 30% Max.
- Idc2(Irms) base on Temp. rise ΔT : 40°C Max..
- Operating Temperature : -40°C ~ +125°C.

| Part Number | Inductance L(uH) | Test Frequency (KHz) | DC Resistance (mΩ)±30% | Idc1 (Isat) (A)Max. | Idc2 (Irms) (A)Max. |
|------------------|------------------|----------------------|------------------------|---------------------|---------------------|
| YCDM5020CT-1R0NS | 1.0 | 100 | 20 | 4.33 | 3.70 |
| YCDM5020CT-1R5NS | 1.5 | 100 | 26 | 4.10 | 3.20 |
| YCDM5020CT-2R2NS | 2.2 | 100 | 38 | 3.85 | 2.90 |
| YCDM5020CT-3R3NS | 3.3 | 100 | 46 | 3.25 | 2.40 |
| YCDM5020CT-4R7MS | 4.7 | 100 | 65 | 2.40 | 2.05 |
| YCDM5020CT-6R8MS | 6.8 | 100 | 92 | 2.10 | 1.70 |
| YCDM5020CT-100MS | 10 | 100 | 125 | 1.80 | 1.50 |
| YCDM5020CT-150MS | 15 | 100 | 180 | 1.44 | 1.25 |
| YCDM5020CT-220MS | 22 | 100 | 250 | 1.18 | 1.05 |
| YCDM5020CT-330MS | 33 | 100 | 370 | 0.97 | 0.83 |
| YCDM5020CT-470MS | 47 | 100 | 560 | 0.81 | 0.70 |

NOTE: Tolerance value: M = ±20%, N = ±30%