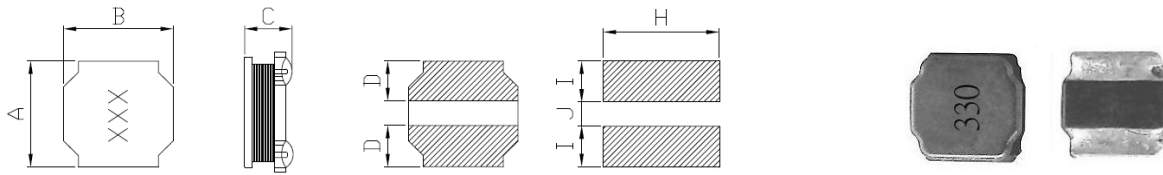


Power Inductor(Alloy) – YCDM3012AT Series

EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YCDM3012AT	3.0±0.2	3.0±0.2	1.00±0.2	0.75±0.2	2.70±0.2	0.80	1.50

Features

- YCDMxxAT series, an Alloy DR core and automatic assembly power inductor, is shielded with magnetic resin and suitable for the portable DC-DC converter application.
- RoHS compliant.
- Have a high saturation current than Molding choke
- 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

- AP Router, STBs, DC to DC converters

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)Max./Typ.	Idc1 (Isat) (A)Max./Typ.	Idc2 (Irms) (A)Max./Typ.
YCDM3012AT-R33M	0.33	100	32/24	7.2/8.9	4.1/4.8
YCDM3012AT-R47M	0.47	100	40/31	6.8/8.0	3.8/4.2
YCDM3012AT-1R0M	1.0	100	54/46	4.2/5.4	2.7/3.1
YCDM3012AT-1R5M	1.5	100	74/62	3.4/4.1	2.5/2.9
YCDM3012AT-2R2M	2.2	100	108/90	2.8/3.3	2.0/2.3
YCDM3012AT-3R3M	3.3	100	185/144	2.2/2.6	1.5/1.8
YCDM3012AT-4R7M	4.7	100	255/215	2.0/2.5	1.2/1.3
YCDM3012AT-6R8M	6.8	100	340/290	1.6/1.9	1.1/1.2
YCDM3012AT-100M	10	100	474/395	1.2/1.4	1.0/1.1

NOTE: Tolerance value: M = ±20%