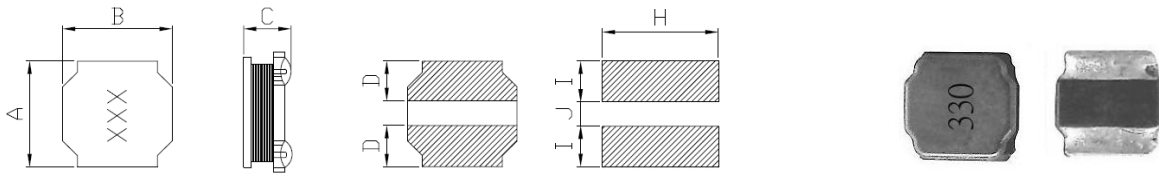


Power Inductor(Alloy) – YCDM4012AT Series

EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YCDM4012AT	4.0±0.2	4.0±0.2	1.00±0.2	1.20±0.2	3.70±0.2	1.30	1.60

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.
YCDM4012AT-R56M	0.56	100	50/40	6.0/7.0	3.2/3.8
YCDM4012AT-R68M	0.68	100	55/42	5.2/6.2	3.2/3.8
YCDM4012AT-1R0M	1.0	100	59/49	3.8/4.6	3.0/3.5
YCDM4012AT-2R2M	2.2	100	90/75	2.8/3.3	2.5/3.0
YCDM4012AT-3R3M	3.3	100	130/106	2.8/3.3	2.0/2.5
YCDM4012AT-4R7M	4.7	100	175/145	2.3/2.6	1.8/2.1
YCDM4012AT-6R8M	6.8	100	230/190	1.6/2.2	1.5/1.7
YCDM4012AT-100M	10	100	360/300	1.5/1.8	0.8/1.0

NOTE: Tolerance value: M = ±20%