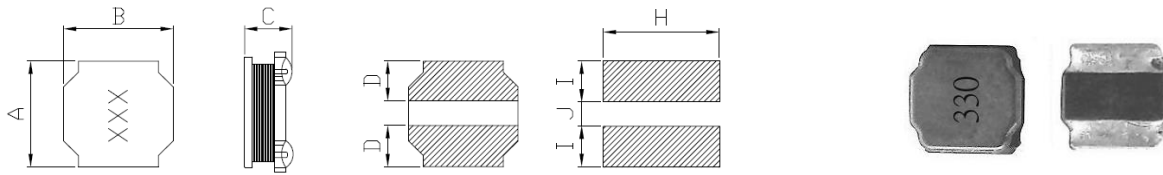


Power Inductor(Alloy) – YCDM3015AT Series

EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YCDM3015AT	3.0±0.3	3.0±0.3	1.40±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.
YCDM3015AT-R22M	0.22	100	19/15	8.8/11.0	5.2/6.0
YCDM3015AT-R3M	0.33	100	21/16	8.0/10.0	5.0/6.0
YCDM3015AT-R47M	0.47	100	26/20	7.6/9.5	4.6/5.2
YCDM3015AT-R68M	0.68	100	36/28	7.0/8.3	4.0/4.6
YCDM3015AT-1R0M	1.0	100	48/37	5.8/7.0	3.5/4.0
YCDM3015AT-2R2M	2.2	100	95/74	3.7/4.6	2.2/2.7
YCDM3015AT-3R3M	3.3	100	150/110	3.4/3.4	2.0/2.5
YCDM3015AT-4R7M	4.7	100	185/150	2.5/3.0	1.7/2.0
YCDM3015AT-6R8M	6.8	100	320/245	2.0/2.4	1.2/1.3
YCDM3015AT-100M	10	100	450/350	1.6/2.0	1.1/1.2

NOTE: Tolerance value: M = ±20%