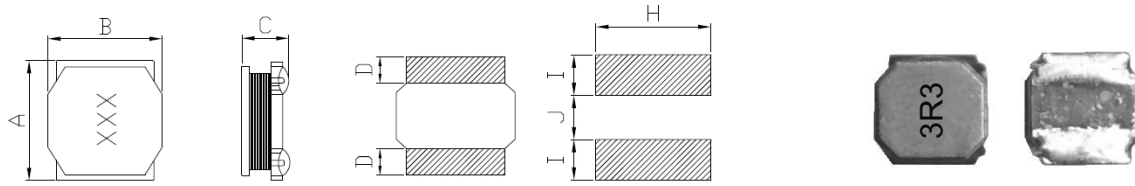


## Power Choke(Alloy) – YCDM252012AT Series

### EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YCDM252012AT	2.5±0.3	2.0±0.3	1.06±0.2	0.80±0.2	2.00±0.2	0.85	0.80

### 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  $\Delta T$  : 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.
YCDM252012AT-R24M	0.24	100	23/19	6.5/7.8	4.0/4.7
YCDM252012AT-R33M	0.33	100	28/23	5.3/6.3	3.7/4.3
YCDM252012AT-R47M	0.47	100	35/29	4.9/5.6	3.4/4.0
YCDM252012AT-R68M	0.68	100	45/39	3.8/4.5	3.1/3.6
YCDM252012AT-1R0M	1.0	100	54/48	3.6/4.2	3.0/3.4
YCDM252012AT-2R2M	2.2	100	120/100	2.6/3.0	1.9/2.1
YCDM252012AT-3R3M	3.3	100	215/175	1.7/2.1	1.5/1.8
YCDM252012AT-4R7M	4.7	100	260/225	1.6/1.9	1.2/1.4
YCDM252012AT-6R8M	6.8	100	366/305	1.2/1.4	0.9/1.1
YCDM252012AT-100M	10	100	480/435	1.1/1.3	0.8/1.0

NOTE: Tolerance value: M = ±20%