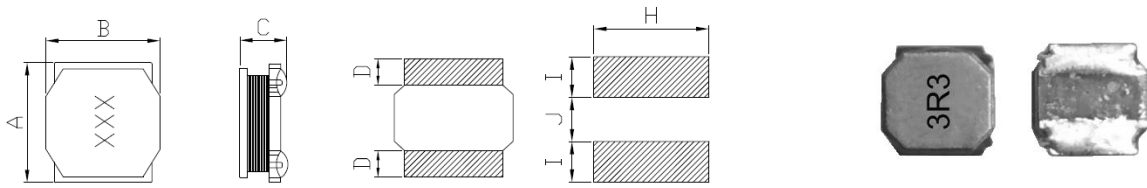


## Power Inductor(Alloy) – YCDM252010AT Series

### EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J	Fig
YCDM252010AT	2.5±0.2	2.0±0.2	0.85±0.2	0.80±0.2	2.00±0.2	0.85	0.80	1

### 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.
YCDM252010AT-R24M	0.24	100	33/25	6.1/7.1	3.7/4.5
YCDM252010AT-R33M	0.33	100	39/33	4.8/5.5	3.5/4.0
YCDM252010AT-R47M	0.47	100	45/40	4.4/5.2	3.2/3.6
YCDM252010AT-R68M	0.68	100	59/49	3.3/3.6	2.7/3.2
YCDM252010AT-1R0M	1.0	100	85/71	3.1/3.5	2.2/2.5
YCDM252010AT-1R5M	1.5	100	106/90	2.6/3.0	2.0/2.3
YCDM252010AT-2R2M	2.2	100	155/129	1.9/2.2	1.5/1.8
YCDM252010AT-3R3M	3.3	100	235/196	1.6/1.8	1.2/1.4
YCDM252010AT-4R7M	4.7	100	290/255	1.3/1.5	1.0/1.1
YCDM252010AT-6R8M	6.8	100	480/380	1.0/1.1	0.9/1.0
YCDM252010AT-100M	10	100	740/630	0.9/1.0	0.6/0.7

NOTE: Tolerance value: M = ±20%