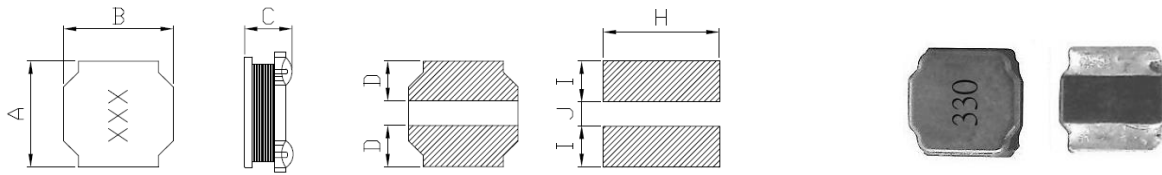


## Power Inductor(Alloy) – YCDM3020AT Series

### EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YCDM3020AT	3.0±0.2	3.0±0.2	2.00±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  $\Delta T$  : 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.
YCDM3020AT-R24M	0.24	100	20/16	12.5/14.5	6.0/7.1
YCDM3020AT-R47M	0.47	100	24/19	11.0/12.5	5.8/7.0
YCDM3020AT-1R0M	1.0	100	45/36	8.0/10.0	4.5/5.2
YCDM3020AT-3R3M	3.3	100	124/98	4.6/5.5	2.5/3.0

**NOTE: Tolerance value: M = ±20%**