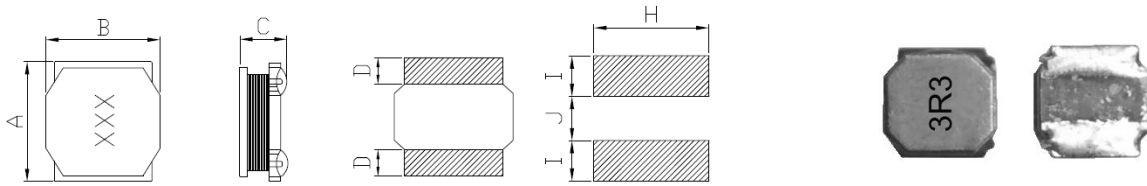


## Power Inductor(Alloy) – YCDM201610AT Series

### EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YCDM201610AT	2.0±0.2	1.6±0.2	0.88±0.2	0.60±0.2	1.60±0.2	0.80	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.
YCDM201610AT-R24M	0.24	100	40/33	4.5/5.5	3.0/3.4
YCDM201610AT-R33M	0.33	100	49/41	4.4/5.2	2.7/3.1
YCDM201610AT-R47M	0.47	100	49/41	4.0/4.7	2.7/3.1
YCDM201610AT-R56M	0.56	100	53/43	3.8/4.5	2.6/2.8
YCDM201610AT-R68M	0.68	100	65/57	3.5/4.0	2.5/2.8
YCDM201610AT-1R0M	1.0	100	95/78	3.3/3.8	2.0/2.3
YCDM201610AT-1R5M	1.5	100	130/110	1.9/2.3	1.7/2.0
YCDM201610AT-2R2M	2.2	100	180/160	1.9/2.1	1.4/1.6
YCDM201610AT-3R3M	3.3	100	307/245	1.4/1.6	1.1/1.3
YCDM201610AT-4R7M	4.7	100	425/370	1.1/1.4	0.9/1.0
YCDM201610AT-6R8M	6.8	100	620/500	0.9/1.1	0.7/0.8
YCDM201610AT-8R2M	8.2	100	870/670	0.8/1.0	0.6/0.7
YCDM201610AT-100M	10	100	875/700	0.8/0.9	0.6/0.7

NOTE: Tolerance value: M = ±20%

SMT