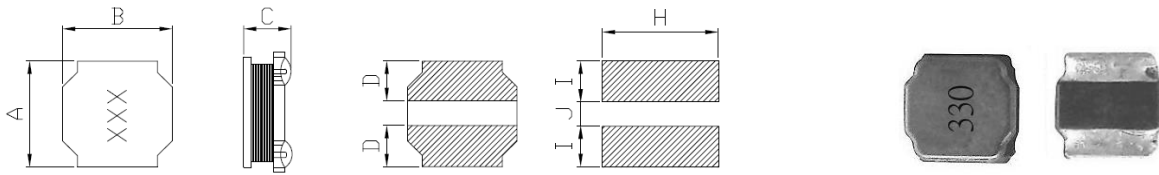


Power Inductor(Alloy) – YCDM4020AT Series

EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YCDM4020AT	4.0±0.3	4.0±0.3	1.80±0.2	1.20±0.2	3.70±0.2	1.30	1.60

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.
YCDM4020AT-R24M	0.24	100	17/13	14.0/17.0	6.0/7.0
YCDM4020AT-R33M	0.33	100	20/15	13.0/16.0	5.9/6.8
YCDM4020AT-R47M	0.47	100	22/16	11.0/12.0	5.9/6.8
YCDM4020AT-R68M	0.68	100	24/19	9.0/11.5	5.8/6.7
YCDM4020AT-1R0M	1.0	100	28/23	8.7/11.0	5.8/6.7
YCDM4020AT-1R5M	1.5	100	38/32	7.7/9.6	5.2/6.0
YCDM4020AT-2R2M	2.2	100	56/46	6.0/7.5	4.0/4.8
YCDM4020AT-3R3M	3.3	100	88/73	4.7/5.9	3.4/4.0
YCDM4020AT-4R7M	4.7	100	115/95	4.0/4.9	2.8/3.3
YCDM4020AT-6R8M	6.8	100	160/130	43.0/4.2	2.4/2.8
YCDM4020AT-8R2M	8.2	100	220/175	2.9/3.8	2.1/2.4
YCDM4020AT-100M	10	100	220/190	2.8/3.5	2.0/2.35
YCDM4020AT-150M	15	100	400/305	2.1/2.8	0.7/0.98
YCDM4020AT-220M	22	100	545/415	1.3/1.5	1.1/1.3

NOTE: Tolerance value: M = ±20%

SMT