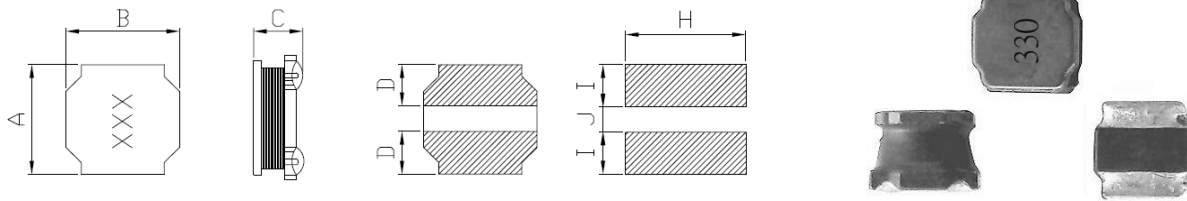


## Power Inductor – YCDM5040CT Series

### EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YCDM5040CT	5.0±0.2	5.0±0.2	3.7±0.3	1.25±0.2	4.20	1.4	2.3

#### Features

- YCDM series, an automatic assembly power inductor, is shielded with magnetic resin and suitable for the portable DC-DC converter application.
- RoHS compliant.
- 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

- LCD TV, Monitor, Ap Router, STB, Smart Phone, Touch Panel, DSC, Game Console and other electronic devices.

#### Test Conditions

- Idc1(Isat) base on inductance change  $\Delta L / L_{0A}$  : 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)±30%	Idc1 (Isat) (A)Max.	Idc2 (Irms) (A)Max.
YCDM5040CT-1R0NS	1.0	100	13	7.35	4.90
YCDM5040CT-1R5NS	1.5	100	15	6.30	4.30
YCDM5040CT-2R2NS	2.2	100	19	4.90	3.80
YCDM5040CT-2R7NS	2.7	100	22	4.30	3.60
YCDM5040CT-3R3NS	3.3	100	24	3.95	3.40
YCDM5040CT-3R9NS	3.9	100	27	3.55	3.20
YCDM5040CT-4R7NS	4.7	100	30	3.50	3.00
YCDM5040CT-6R8MS	6.8	100	43	2.90	2.50
YCDM5040CT-100MS	10	100	64	2.35	2.10
YCDM5040CT-150MS	15	100	86	2.00	2.00
YCDM5040CT-220MS	22	100	129	1.60	1.50
YCDM5040CT-330MS	33	100	188	1.30	1.20
YCDM5040CT-470MS	47	100	272	1.10	1.00
YCDM5040CT-680MS	68	100	400	0.90	0.80
YCDM5040CT-101MS	100	100	560	0.75	0.70

NOTE: Tolerance value: M = ±20%, N = ±30%

SMT