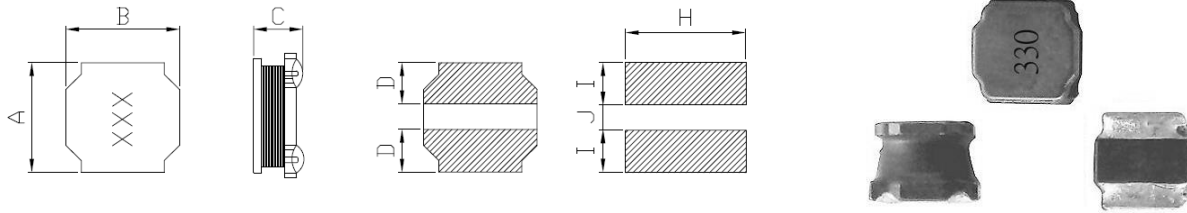


## Power Inductor – YCDM8040T Series

### EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YCDM8040T	8.0±0.3	8.0±0.3	3.7±0.5	2.30±0.3	7.50	2.5	3.4

### 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  $\Delta L / L0A$  : 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)±30%	Idc1 (Isat) (A)Max.	Idc2 (Irms) (A)Max.
YCDM8040T-R90□S	0.9	100	7.0	12.42	7.24
YCDM8040T-1R0□S	1.0	100	7.5	11.70	7.15
YCDM8040T-1R4□S	1.4	100	9.0	9.72	7.02
YCDM8040T-1R5□S	1.5	100	9.5	9.07	6.93
YCDM8040T-2R0□S	2.0	100	11	8.64	6.66
YCDM8040T-2R2□S	2.2	100	11.5	8.28	6.48
YCDM8040T-2R5□S	2.5	100	13	7.38	5.67
YCDM8040T-3R3□S	3.3	100	15	6.75	5.40
YCDM8040T-4R7□S	4.7	100	18	5.40	4.95
YCDM8040T-5R6□S	5.6	100	23	5.13	4.68
YCDM8040T-6R8□S	6.8	100	28	4.86	4.59
YCDM8040T-100□S	10	100	38	3.87	3.42
YCDM8040T-120□S	12	100	45	3.42	3.15
YCDM8040T-150□S	15	100	50	3.24	2.88
YCDM8040T-180□S	18	100	68	2.79	2.43
YCDM8040T-220□S	22	100	80	2.52	2.34
YCDM8040T-330□S	33	100	110	2.07	1.80
YCDM8040T-470□S	47	100	160	1.71	1.57
YCDM8040T-680□S	68	100	240	1.53	1.30
YCDM8040T-101□S	100	100	340	1.26	0.99
YCDM8040T-121□S	120	100	425	0.99	0.90
YCDM8040T-151□S	150	100	480	0.90	0.81
YCDM8040T-221□S	220	100	670	0.84	0.54
YCDM8040T-271□S	270	100	900	0.74	0.49
YCDM8040T-821□S	820	100	2800	0.36	0.34

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

SMT