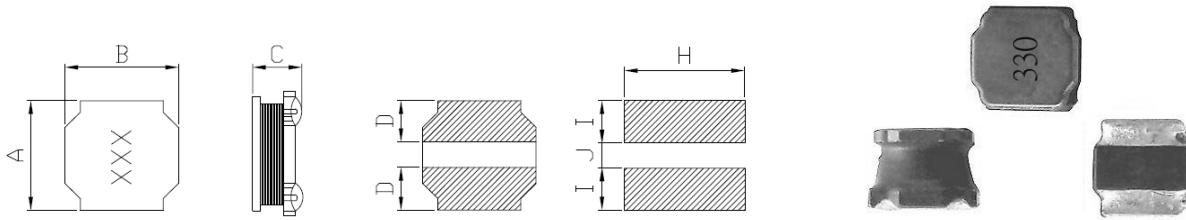


Power Inductor – YCDM6045T Series

EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YCDM6045T	6.0±0.2	6.0±0.2	4.2±0.5	1.80±0.3	5.70	2.0	2.4

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 ΔT : 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.
YCDM6045T-1R0□S	1.0	100	12	12.2	6.50
YCDM6045T-1R5□S	1.5	100	15	10.4	5.90
YCDM6045T-1R8□S	1.8	100	17	9.6	5.60
YCDM6045T-2R2□S	2.2	100	18.4	8.8	5.10
YCDM6045T-2R3□S	2.3	100	19	8.8	5.00
YCDM6045T-3R0□S	3.0	100	22	7.8	4.40
YCDM6045T-3R3□S	3.3	100	24	7.5	4.30
YCDM6045T-3R6□S	3.6	100	24	7.5	4.30
YCDM6045T-3R9□S	3.9	100	26	7.0	4.00
YCDM6045T-4R5□S	4.5	100	31	6.7	3.90
YCDM6045T-4R7□S	4.7	100	31	6.03	3.51
YCDM6045T-5R1□S	5.1	100	33	5.40	3.15
YCDM6045T-6R3□S	6.3	100	40	4.95	2.97
YCDM6045T-6R8□S	6.8	100	43	4.77	2.88
YCDM6045T-100□S	10	100	57	4.05	2.43
YCDM6045T-150□S	15	100	80	3.06	1.98
YCDM6045T-180□S	18	100	100	2.79	1.62
YCDM6045T-220□S	22	100	125	2.70	1.71
YCDM6045T-270□S	27	100	160	2.25	1.17
YCDM6045T-330□S	33	100	165	2.07	1.26
YCDM6045T-470□S	47	100	245	1.71	1.08
YCDM6045T-680□S	68	100	330	1.44	0.90
YCDM6045T-101□S	100	100	500	1.17	0.72
YCDM6045T-331□S	330	100	1800	0.63	0.31
YCDM6045T-102□S	1000	100	6000	0.36	0.19

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

SMT