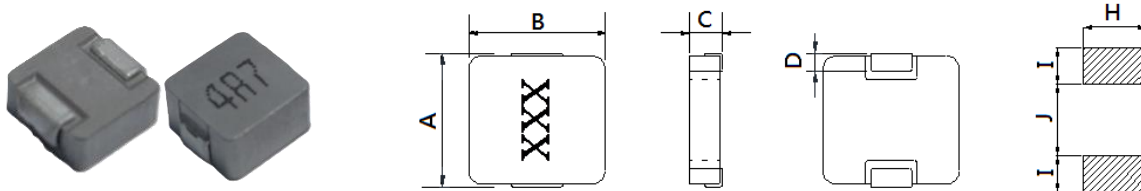


Power Inductor – YMA1040 Series

EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YMA1040T	9.5±0.20	10.0±0.30	3.8±0.2	2.0±0.50	4.10	4.10	5.4

Features

- YM series, an automatic assembly power inductor, is shielded with Iron powder 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

- I_{dc1}(I_{sat}):DC current (A) that will cause L₀ to drop approximately 30 % Typ.
- I_{dc2}(I_{rms}):. DC current (A) that will cause an approximate ΔT of 40 °C Typ
- Operating Temperature : -55°C ~ +125°C.

Part Number	Inductance L(uH)	Test Frequency (KHz)	DC Resistance (mΩ)Max.	I _{dc1} (I _{sat}) (A)Typ.	I _{dc2} (I _{rms}) (A)Typ.
YMA1040T-R15M	0.15	100	0.65	75	45
YMA1040T-R22M	0.22	100	1.0	60	35
YMA1040T-R30M	0.30	100	1.1	50	35
YMA1040T-R36M	0.36	100	1.2	50	30
YMA1040T-R47M	0.47	100	1.7	40	30
YMA1040T-R56M	0.56	100	1.8	33	25
YMA1040T-R68M	0.68	100	2.4	30	23
YMA1040T-R80M	0.80	100	2.7	29	23
YMA1040T-1R0M	1.0	100	3.3	28	19
YMA1040T-1R5M	1.5	100	4.2	26	16
YMA1040T-2R2M	2.2	100	7.0	18	12
YMA1040T-3R3M	3.3	100	11.8	16	11
YMA1040T-4R7M	4.7	100	20	15	9.0
YMA1040T-6R8M	6.8	100	25	12	8.5
YMA1040T-8R2M	8.2	100	27	9.0	8.0
YMA1040T-100M	10	100	30	8.5	7.8
YMA1040T-150M	15	100	45	7.0	6.5
YMA1040T-220M	22	100	66	5.5	5.0
YMA1040T-330M	33	100	92	5.0	4.4
YMA1040T-470M	47	100	145	3.5	3.3
YMA1040T-680M	68	100	195	3.0	2.5

NOTE: Tolerance value: M = ±20%

SMT