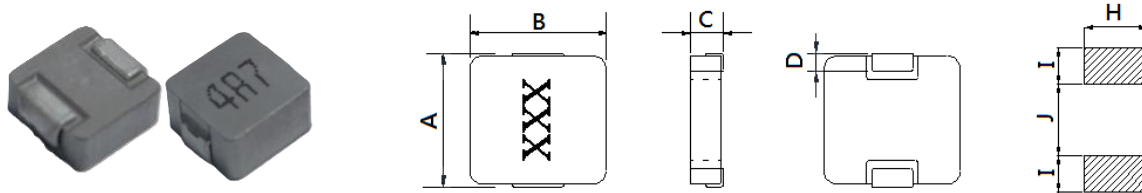


Power Inductor – YMA0630T Series

EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YMA0630T	7.0±0.30	6.6±0.20	2.8±0.2	1.6±0.30	3.50	2.35	3.7

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.
YMA0630T-R22M	0.22	100	3.0	34	24
YMA0630T-R24M	0.24	100	3.1	26	23
YMA0630T-R33M	0.33	100	3.5	25	21
YMA0630T-R47M	0.47	100	4.1	20	18
YMA0630T-R56M	0.56	100	4.5	18	16.5
YMA0630T-R68M	0.68	100	5.3	17	16
YMA0630T-R82M	0.82	100	6.0	16	14
YMA0630T-1R0M	1.0	100	7.4	15	12
YMA0630T-1R5M	1.5	100	12.1	14	12
YMA0630T-2R2M	2.2	100	15	10	9.5
YMA0630T-3R3M	3.3	100	22	9.5	8.5
YMA0630T-4R7M	4.7	100	33	6.5	6.0
YMA0630T-6R8M	6.8	100	48	6.0	5.0
YMA0630T-8R2M	8.2	100	60	6.0	5.0
YMA0630T-100M	10	100	67	5.5	4.5
YMA0630T-150M	15	100	115	4.5	3.0
YMA0630T-220M	22	100	200	3.0	2.3
YMA0630T-330M	33	100	310	2.5	2.0

NOTE: Tolerance value: M = ±20%

SMT