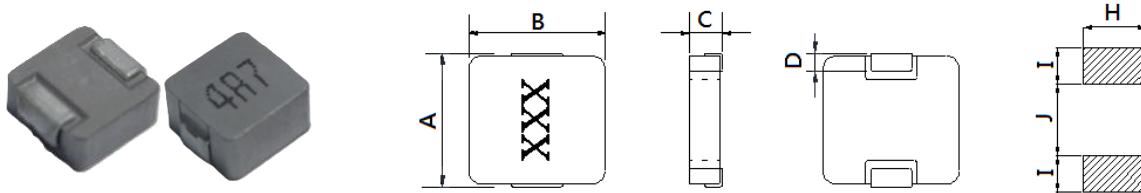


Power Inductor – YMA0420T Series

EXTERNAL DIMENSIONS

(Unit: mm)



Type	A	B	C	D	H	I	J
YMA0420T	4.4±0.35	4.2±0.25	1.8±0.2	0.8±0.30	2.50	1.50	2.2

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.
YMA0420T-R10M	0.10	100	4.0	22.0	13
YMA0420T-R22M	0.22	100	6.6	12.5	9.5
YMA0420T-R33M	0.33	100	11	12	10
YMA0420T-R47M	0.47	100	14	9.5	7.5
YMA0420T-R56M	0.56	100	16	10	7.5
YMA0420T-R68M	0.68	100	18	9.0	7.0
YMA0420T-1R0M	1.0	100	27	7.0	6.0
YMA0420T-1R2M	1.2	100	27	7.0	6.0
YMA0420T-1R5M	1.5	100	46	6.0	5.0
YMA0420T-2R2M	2.2	100	58	5.0	4.5
YMA0420T-3R3M	3.3	100	87	4.0	3.3
YMA0420T-4R7M	4.7	100	105	3.0	2.8
YMA0420T-6R8M	6.8	100	175	2.5	2.4
YMA0420T-100M	10	100	282	2.2	1.6

NOTE: Tolerance value: M = ±20%

SMT