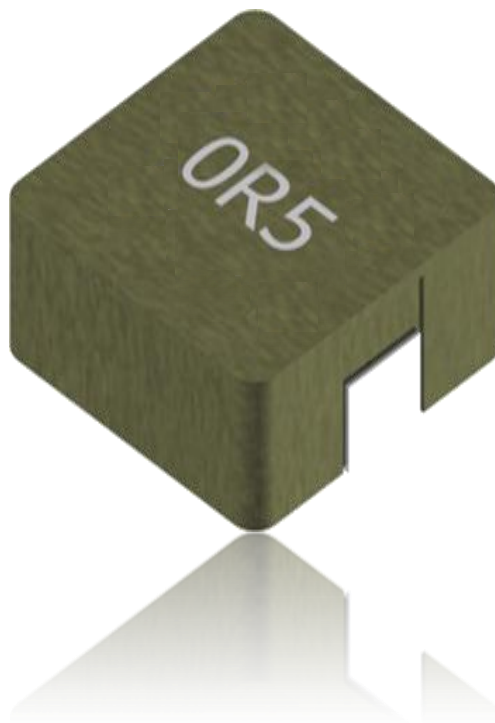


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT4015-A1 SERIES



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Seongnam-si, Gyeonggi-do, KOREA
Sales Dept. TEL:82-31-730-5082
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ABCO ELECTRONICS CO., LTD.

■ **OPERATION TEMP.**

LPMT-A1 Series : -55°C~+125°C(Including self-generated heat)

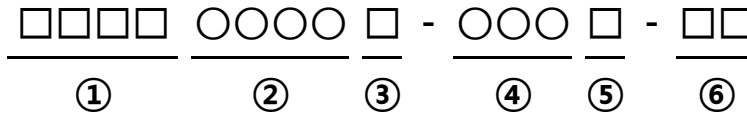
■ **FEATURES**

- Metal molding Construction
- High Current and Low Resistance

■ **APPLICATIONS**

DC/DC converters for PDA, Notebook, Desktop, Battery powered devices etc.

■ **ORDERING CODE**



①Type	
LPMT	

②Body size(LxWxH)	
4015	4.45X4.06X1.3

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R22	0.22μH
1R0	1.0μH
100	10μH

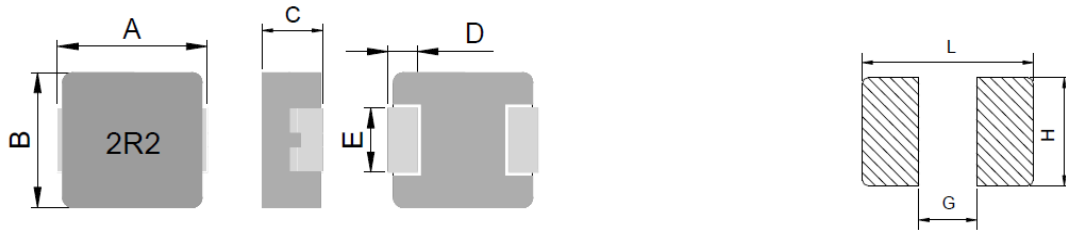
⑤Inductance Tol	
M	±20%
N	±30%

⑥Internal Code	
A1	

LPMT4015-A1 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT4015-A1	4.45±0.25	4.06±0.25	1.3±0.2	0.76±0.30	2.0±0.20

L(mm)	G(mm)	H(mm)
5.2	2.2	2.3

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT4015T - R22M-A1	0.22	± 20	100	7.8	6.5	20.0	10.0
LPMT4015T - R47M-A1	0.47	± 20		19.0	15.0	11.0	8.0
LPMT4015T - R68M-A1	0.68	± 20		21.5	19.0	8.5	6.5
LPMT4015T - 1R0M-A1	1.00	± 20		40.0	34.0	7.0	5.0
LPMT4015T - 2R2M-A1	2.20	± 20		72.0	63.0	4.0	3.2
LPMT4015T - 4R7M-A1	4.70	± 20		140	120	2.8	2.2
LPMT4015T - 6R8M-A1	6.80	± 20		276	230	2.3	1.7
LPMT4015T - 100M-A1	10.0	± 20		400	345	1.9	1.5

▼ Test Equipments

- Inductance measured : HP4284A,CH11025,CH3302,CH1320,CH1320S LCR METER(100kHz, 1.0V)
- Rdc : CH16502,Agilent33420A MICRO OHMMETER.
- Saturation Current (Isat) will cause L0 to drop approximately 30%
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40°C
- ※ Rated DC current(Idc) : The value of Isat or Irms , whichever is smaller

▼ Operating Temperature Range

- 55°C ~ +125°C (Including self-generated heat)