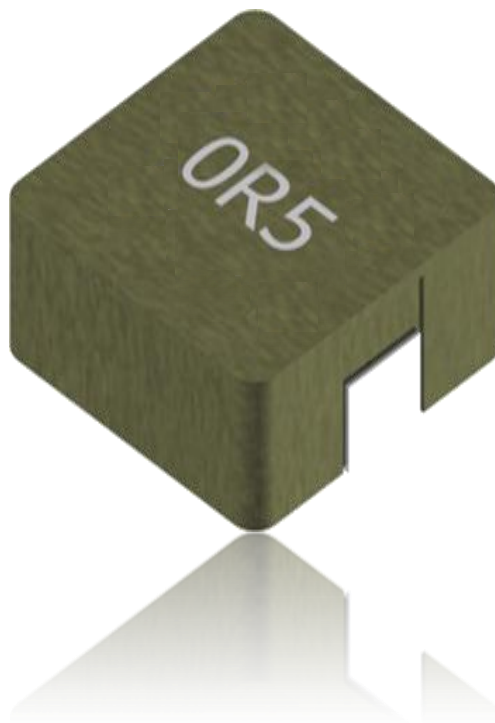


ABCO Standard Inductor

**AEC-Q200**

# POWER INDUCTOR

## LPMT1040-A1 SERIES



31, Dunchon-daero 388 Beon-gil  
Seongnam-si, Gyeonggi-do, KOREA  
Sales Dept. TEL:82-31-730-5082  
FAX:82-31-730-5152  
Eng. Dept. TEL:82-31-730-5053  
FAX:82-31-730-5153

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ABCO ELECTRONICS CO., LTD.

■ OPERATION TEMP.

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

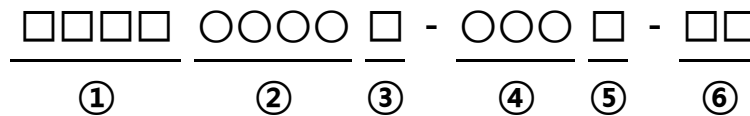
■ FEATURES

- 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)	
1040	11.0X10.0X3.8

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R15	0.15μH
1R0	1.0μH
100	10μH

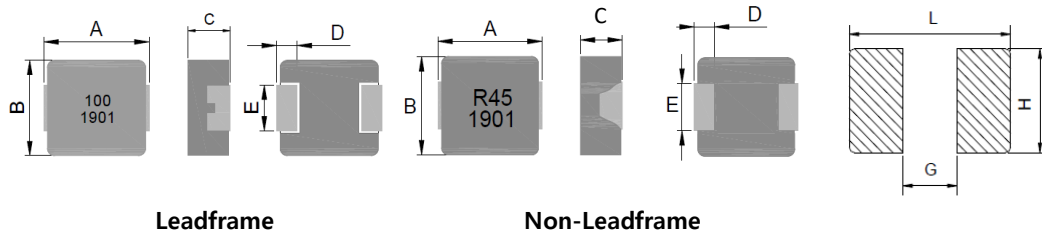
⑤Inductance Tol	
M	±20%
N	±30%

⑥Internal Code
A1

LPMT1040-A1 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT1040-A1	11.0±0.5	10.0±0.3	3.8±0.2	2.3±0.3	3.0±0.3

L(mm)	G(mm)	H(mm)
13.6	5.4	3.5

\* Under 2.2μH is non-leadframe specification.

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT1040T - R15N-A1	0.15	± 30	100	0.60	0.50	75.0	43.0
LPMT1040T - R22M-A1	0.22	± 20		1.00	0.80	60.0	35.0
LPMT1040T - R33M-A1	0.33	± 20		1.20	1.00	60.0	31.0
LPMT1040T - R36M-A1	0.36	± 20		1.20	1.05	60.0	31.0
LPMT1040T - R47M-A1	0.47	± 20		1.50	1.30	43.0	28.0
LPMT1040T - R56M-A1	0.56	± 20		1.80	1.60	40.0	25.0
LPMT1040T - R68M-A1	0.68	± 20		2.70	2.40	39.0	22.0
LPMT1040T - 1R0M-A1	1.00	± 20		3.30	3.00	36.0	18.0
LPMT1040T - 1R5M-A1	1.50	± 20		4.60	4.00	33.0	16.0
LPMT1040T - 2R2M-A1	2.20	± 20		7.00	6.50	27.0	12.0
LPMT1040T - 3R3M-A1	3.30	± 20		11.8	10.8	20.0	11.0
LPMT1040T - 4R7M-A1	4.70	± 20		15.5	15.0	17.0	10.0
LPMT1040T - 5R6M-A1	5.60	± 20		19.3	17.0	14.0	9.0
LPMT1040T - 6R8M-A1	6.80	± 20		23.3	17.5	13.5	8.5
LPMT1040T - 8R2M-A1	8.20	± 20		22.5	20.0	12.5	8.0
LPMT1040T - 100M-A1	10.0	± 20		30.0	27.0	12.0	7.5
LPMT1040T - 150M-A1	15.0	± 20		45.0	40.0	10.0	6.25
LPMT1040T - 220M-A1	22.0	± 20		74.0	64.0	7.0	5.0
LPMT1040T - 330M-A1	33.0	± 20		112	92.0	5.0	3.5
LPMT1040T - 470M-A1	47.0	± 20		167	145	4.5	3.0

▼ 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)