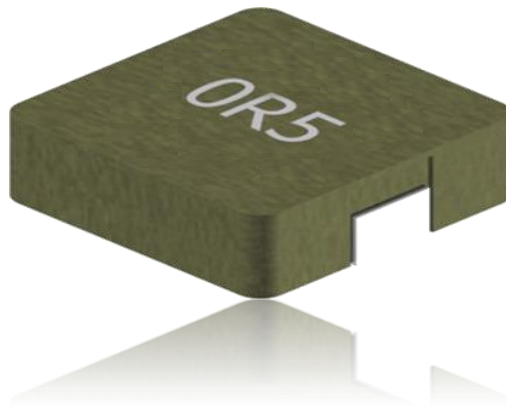


ABCO Standard Inductor

**AEC-Q200**

# POWER INDUCTOR

## LPMT1040-A4 series



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

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ABCO ELECTRONICS CO., LTD.

■ **OPERATION TEMP.**

LPMT1040-A4 series : -55°C~+155°C(Including self-generated heat)

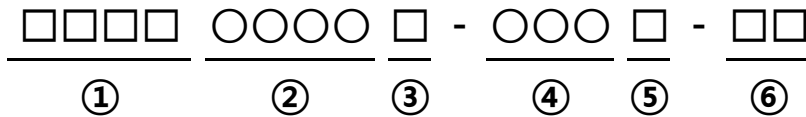
■ **FEATURES**

- 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

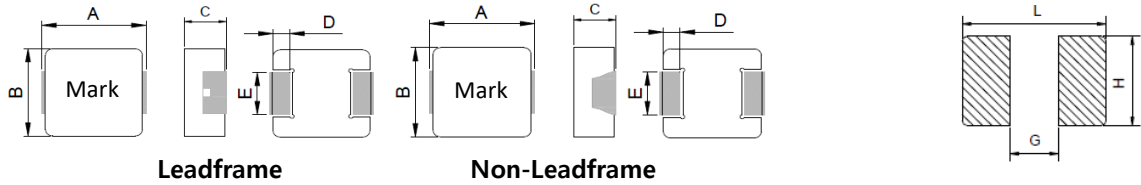
④Inductance Value	
R10	0.1μH
1R0	1.0μH
100	10μH
101	100μH

⑤Inductance Tol	
M	±20%
N	±30%

⑥Internal Code	
A4	

**LPMT1040-A4 SERIES**

**SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN**



Series	A(mm)	B(mm)	C(mm)	D(mm)	*E(mm)		L(mm)	G(mm)	H(mm)
					2.5±0.3	0.56~1.50uH			
LPMT1040-A4	11.0±0.3	10.0±0.3	3.8±0.2	2.0±0.3	3.0±0.3	0.47uH and below 2.00uH and above	12.5	5.4	3.5

\* Under 1.8μH 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-A4	0.15	± 30	100	0.60	0.50	82.0	44.0
LPMT1040T - R22M-A4	0.22	± 20		0.83	0.72	70.0	36.0
LPMT1040T - R36M-A4	0.36	± 20		1.18	1.05	51.0	33.0
LPMT1040T - R47M-A4	0.47	± 20		1.50	1.30	46.0	32.0
LPMT1040T - R56M-A4	0.56	± 20		1.80	1.60	34.0	25.0
LPMT1040T - R68M-A4	0.68	± 20		2.20	1.90	31.0	23.0
LPMT1040T - 1R0M-A4	1.00	± 20		3.25	2.90	29.0	20.0
LPMT1040T - 1R5M-A4	1.50	± 20		4.20	3.70	26.0	17.5
LPMT1040T - 1R8M-A4	1.80	± 20		5.70	5.10	23.0	16.5
LPMT1040T - 2R2M-A4	2.20	± 20		6.70	5.80	20.0	15.0
LPMT1040T - 3R3M-A4	3.30	± 20		11.8	10.5	17.5	11.0
LPMT1040T - 4R7M-A4	4.70	± 20		19.0	15.8	15.2	8.80
LPMT1040T - 5R6M-A4	5.60	± 20		22.8	19.0	14.1	8.00
LPMT1040T - 6R8M-A4	6.80	± 20		24.5	22.0	12.2	7.80
LPMT1040T - 8R2M-A4	8.20	± 20		28.0	25.0	9.5	7.60
LPMT1040T - 100M-A4	10.0	± 20		30.0	27.0	8.6	7.50
LPMT1040T - 150M-A4	15.0	± 20		45.0	41.0	7.0	6.25
LPMT1040T - 220M-A4	22.0	± 20		66.0	58.0	6.2	5.00
LPMT1040T - 330M-A4	33.0	± 20		91.0	84.0	5.5	4.40
LPMT1040T - 470M-A4	47.0	± 20		143	125	4.0	3.50

**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(I<sub>dc</sub>) : The value of Isat or Irms , whichever is smaller

**Operating Temperature Range**

-55°C ~ +155°C (Including self-generated heat)