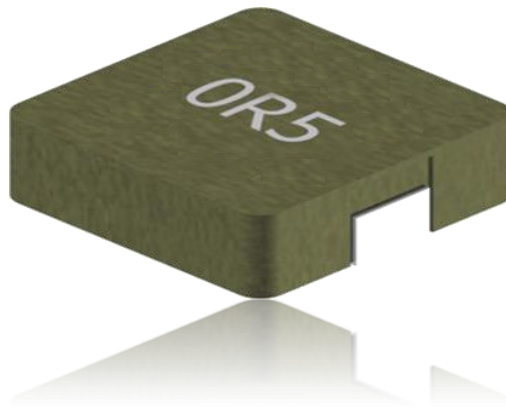


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT6540-A4 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

ABCO ELECTRONICS CO., LTD.

■ OPERATION TEMP.

LPMT6540-A4 series : -55°C~+155°C(Including self-generated heat)

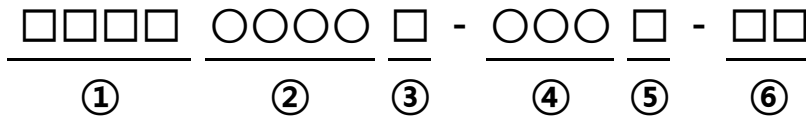
■ FEATURES

- 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)	
6540	7.10X6.60X3.80

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R10	0.1μH
1R0	1.0μH

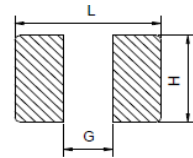
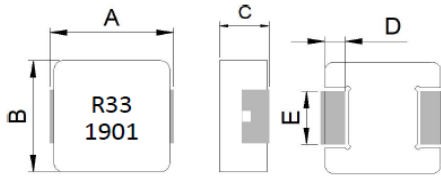
⑤Inductance Tol	
M	±20%

⑥Internal Code	
A4	

LPMT6540-A4 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT6540-A4	7.1±0.3	6.6±0.2	3.8±0.2	1.6±0.3	3.0±0.2

L(mm)	G(mm)	H(mm)
8.0	3.7	3.4

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT6540T - R15M-A4	0.15	± 20	100	1.68	1.4	45.0	35.0
LPMT6540T - R33M-A4	0.33	± 20		2.5	2.2	28.0	25.0
LPMT6540T - R56M-A4	0.56	± 20		3.7	3.4	20.0	19.0
LPMT6540T - 1R0M-A4	1.00	± 20		6.2	5.6	15.0	15.0

▼ 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(I_{dc}) : The value of Isat or Irms , whichever is smaller

▼ Operating Temperature Range

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