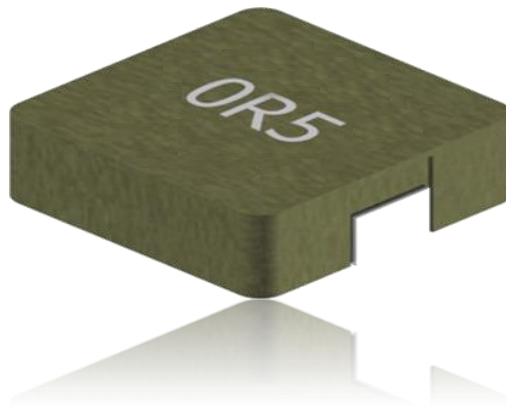


ABCO Standard Inductor

# POWER INDUCTOR

## LPMT6540-4S 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.

# Inductor for Car of Metal Molding type



<http://www.abco.co.kr>

## ■ OPERATION TEMP.

LPMT6540-4S series : -40°C~+125°C(Including self-generated heat)

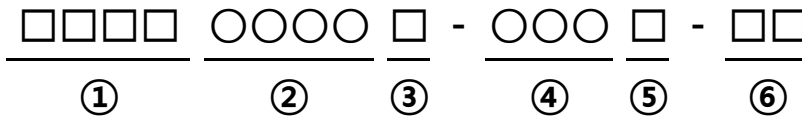
## ■ FEATURES

- Metal molding Construction
- High Current and Low Resistance

## ■ APPLICATIONS

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

## ■ ORDERING CODE



<b>①Type</b>	
LPMT	

<b>②Body size(LxWxH)</b>	
6540	7.10X6.60X3.80

<b>③Packing</b>	
T	TAPING
B	BULK

<b>④Inductance Value</b>	
R10	0.1μH
1R0	1.0μH

<b>⑤Inductance Tol</b>	
M	±20%

<b>⑥Internal Code</b>	
	4S

# LPMT6540-4S SERIES

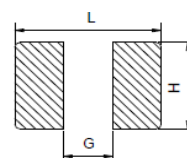
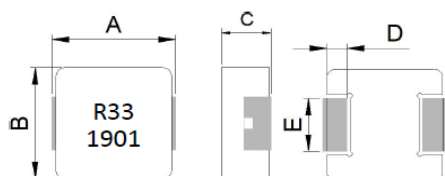


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## LPMT6540-4S SERIES

### ■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT6540-4S	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-4S	0.15	± 20	100	1.68	1.4	45.0	35.0
LPMT6540T - R33M-4S	0.33	± 20		2.5	2.2	28.0	25.0
LPMT6540T - R56M-4S	0.56	± 20		3.7	3.4	20.0	19.0
LPMT6540T - 1R0M-4S	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<sub>dc</sub>) : The value of Isat or Irms , whichever is smaller

#### ▼ Operating Temperature Range

-40°C ~ +125°C (Including self-generated heat)