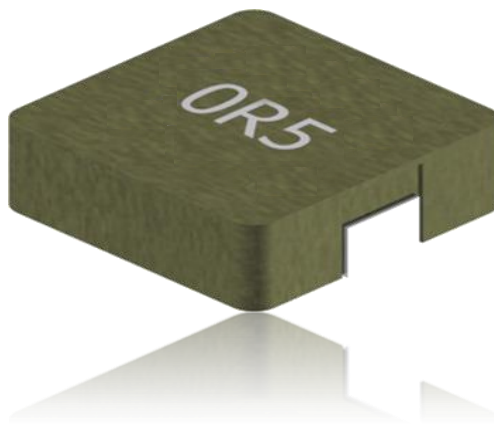


ABCO Standard Inductor

POWER INDUCTOR
LPMT4010-4S 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

ABCO ELECTRONICS CO., LTD.

Inductor for Car of Metal Molding type



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

■ OPERATION TEMP.

LPMT4010-4S series : -40°C~+125°C(Including self-generated heat)

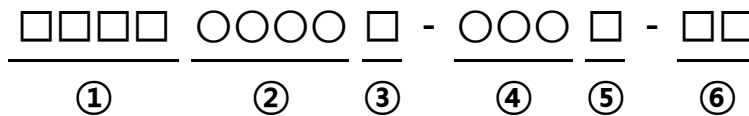
■ FEATURES

- Metal molding Construction
- High Current and Low Resistance

■ APPLICATIONS

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

■ ORDERING CODE



①Type	
LPMT	

②Body size(LxWxH)	
4010	4.20X4.15X0.83

③Packing	
T	TAPING
B	BULK

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

⑤Inductance Tol	
M	±20%

⑥Internal Code	
4S	

LPMT4010-4S SERIES

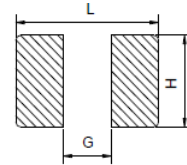
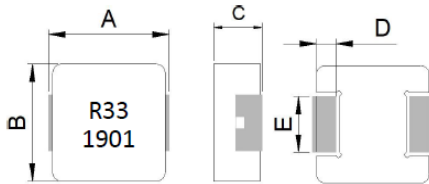


<http://www.abco.co.kr>

LPMT4010-4S SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT4010-4S	4.2±0.2	4.15±0.2	0.83±0.2	0.9±0.2	1.8±0.2

L(mm)	G(mm)	H(mm)
4.4	2.2	2.0

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT4010T - 4R7M-4S	4.70	± 20	100	161.0	140.0	2.1	2.0
LPMT4010T - 6R8M-4S	6.80	± 20		240.0	200.0	2.1	1.7
LPMT4010T - 100M-4S	10.0	± 20		320	300.0	2.0	1.6

▼ 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

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