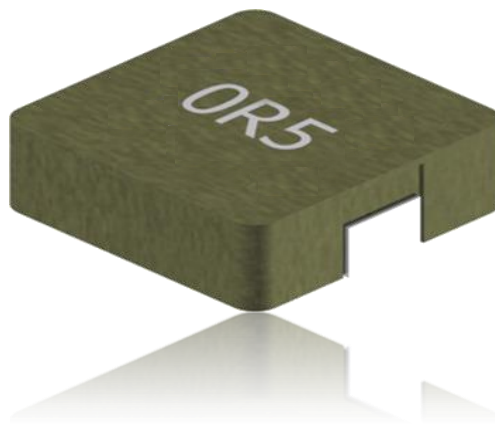


**ABCO Standard Inductor**

# **POWER INDUCTOR**

## **LPMT5030-4S 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.

LPMT5030-4S series : -40°C~+125°C(Including self-generated heat)

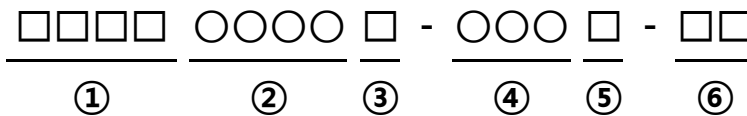
## ■ FEATURES

- 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)	
5030	5.70X5.20X2.80

③Packing	
T	TAPING
B	BULK

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

⑤Inductance Tol	
M	±20%

⑥Internal Code	
4S	

# LPMT5030-4S SERIES

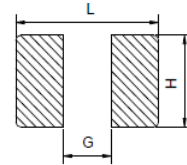
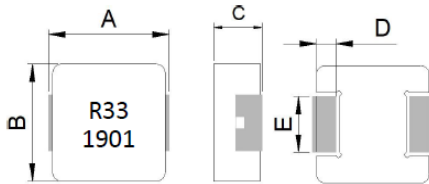


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## LPMT5030-4S SERIES

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

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT5030-4S	5.7±0.3	5.2±0.2	2.8±0.2	1.0±0.3	2.0±0.2

L(mm)	G(mm)	H(mm)
6.0	2.8	2.5

### ■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT5030T - R47M-4S	0.47	± 20	100	6.0	5.2	10.0	13.5
LPMT5030T - R68M-4S	0.68	± 20		8.5	7.4	9.0	12.5
LPMT5030T - R82M-4S	0.82	± 20		9.2	8.0	8.8	10.0
LPMT5030T - 1R0M-4S	1.00	± 20		12.0	10.5	8.5	9.0
LPMT5030T - 1R5M-4S	1.50	± 20		15.7	13.6	7.5	8.0
LPMT5030T - 2R2M-4S	2.20	± 20		25.0	21.6	6.5	7.0
LPMT5030T - 3R3M-4S	3.30	± 20		33.0	28.0	6.0	6.3
LPMT5030T - 4R7M-4S	4.70	± 20		44.0	38.0	5.3	5.5
LPMT5030T - 5R6M-4S	5.60	± 20		58.0	50.0	4.6	5.0
LPMT5030T - 6R8M-4S	6.80	± 20		66.0	57.0	3.5	4.3
LPMT5030T - 100M-4S	10.0	± 20		103	88.0	2.5	3.8

#### ▼ 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)