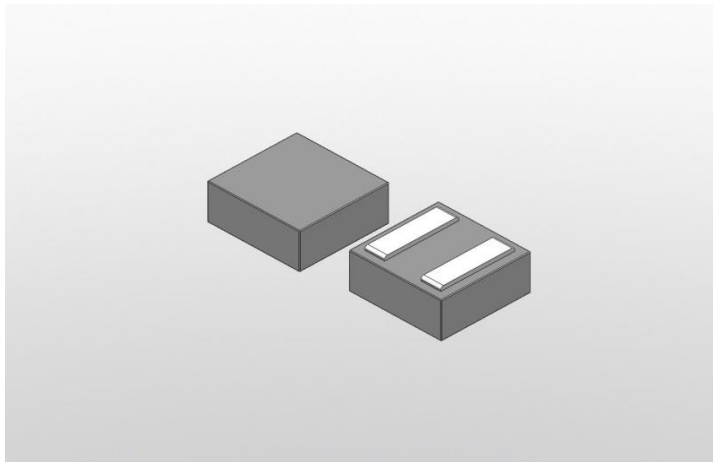


**ABCO Standard Inductor**

# **POWER INDUCTOR**

## **LPMT1060-90 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:82-31-730-5034  
FAX:82-31-730-5132

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**ABCO ELECTRONICS CO., LTD.**

# Inductor for Car of Metal Molding type



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

## ■ OPERATION TEMP.

LPMT-90 Series : -40°C~+125°C(Including self-generated heat)

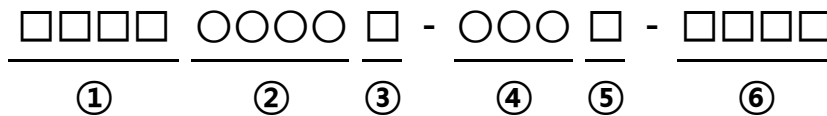
## ■ FEATURES

- 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)	
1060	11.9X11.0X5.7

③Packing	
T	TAPING
B	BULK

④Inductance Value	
1R0	1.0μH
100	10μH

⑤Inductance Tol	
M	±20%

⑥Internal Code	
90	

# LPMT1060-90 SERIES

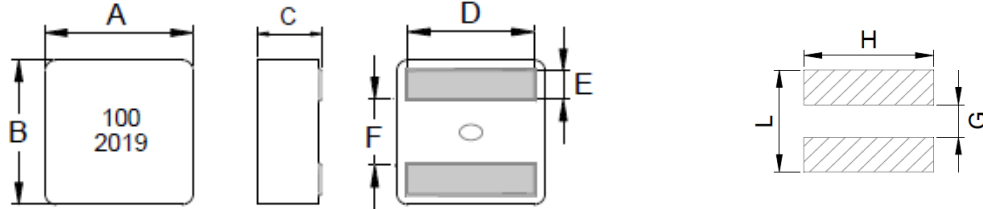


http://www.abco.co.kr

## LPMT1060-90 SERIES

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

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
LPMT1060-90	11.9±0.30	11.0±0.30	5.70±0.30	See Spec.Table	2.40±0.20	4.50±0.30

L(mm)	G(mm)	H(mm)
10.50	3.70	11.00

### ■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)	D(mm)
				Max.	Typ.	Typ.	Typ.	±0.5
LPMT1060T - 1R5M-90	1.50	± 20	100	3.30	2.90	40.0	24.5	9.0
LPMT1060T - 2R2M-90	2.20	± 20		4.84	4.40	35.0	20.0	9.0
LPMT1060T - 3R3M-90	3.30	± 20		7.70	7.00	28.0	16.8	9.0
LPMT1060T - 4R7M-90	4.70	± 20		10.72	9.70	25.0	14.0	9.0
LPMT1060T - 5R6M-90	5.60	± 20		11.9	10.8	20.0	12.0	8.8
LPMT1060T - 6R8M-90	6.80	± 20		13.0	11.8	18.0	10.5	8.8
LPMT1060T - 8R2M-90	8.20	± 20		16.5	15.0	16.5	9.5	8.8
LPMT1060T - 100M-90	10.0	± 20		18.2	16.5	15.0	9.0	8.8

#### ▼ Test Equipments

- Inductance measured : HP4284A,CH11025,CH3302,CH1320,CH1320S LCR METER(100kHz, 0.1V)
- 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
- Rated operating voltage(across inductor) 40V ref.

#### ▼ Operating Temperature Range

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