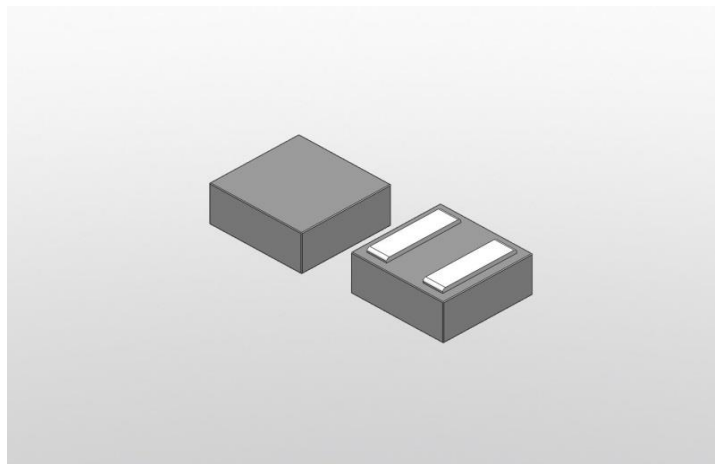


**ABCO Standard Inductor**

# **POWER INDUCTOR**

## **LPMT7050-90 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)

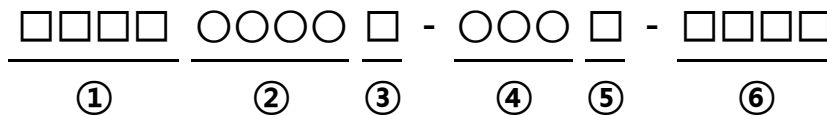
## ■ FEATURES

- 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)	
7050	8.4X8.0X4.8

③Packing	
T	TAPING
B	BULK

④Inductance Value	
1R0	1.0μH

⑤Inductance Tol	
M	±20%

⑥Internal Code	
90	

# LPMT7050-90 SERIES

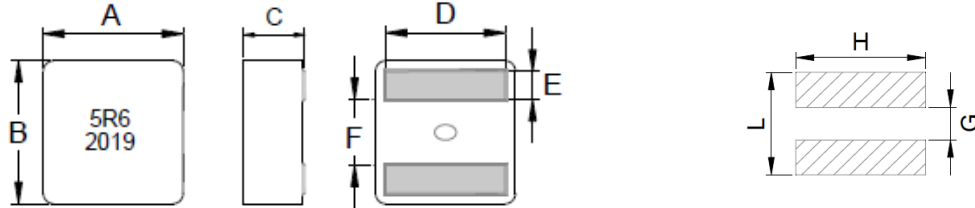


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## LPMT7050-90 SERIES

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

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
LPMT7050-90	8.40±0.30	8.0±0.30	4.80±0.20	See Spec.Table	1.75±0.20	3.15±0.25

L(mm)	G(mm)	H(mm)
7.40	2.80	7.20

### ■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)	D(mm)
				Max.	Typ.	Typ.	Typ.	±0.3
LPMT7050T - 2R2M-90	2.20	± 20	100	6.4	5.8	21.0	14.0	6.2
LPMT7050T - 3R3M-90	3.30	± 20		11.44	10.4	17.0	13.0	6.2
LPMT7050T - 4R7M-90	4.70	± 20		15.4	14.0	15.0	11.0	6.2
LPMT7050T - 5R6M-90	5.60	± 20		17.2	15.6	13.0	10.0	6.2

#### ▼ 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)