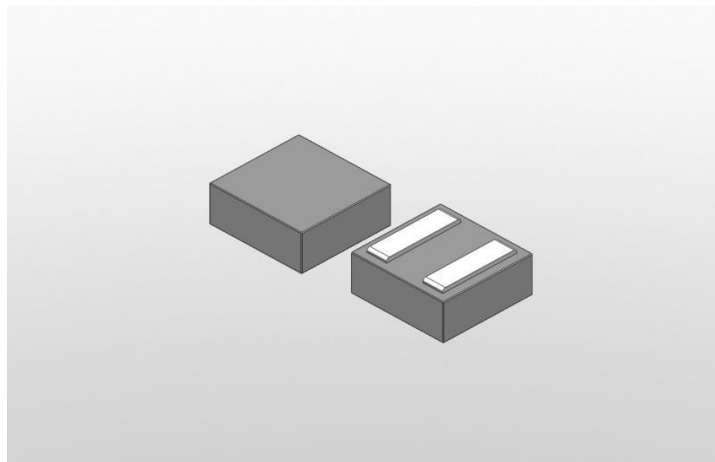


**ABCO Standard Inductor**

# **POWER INDUCTOR**

## **LPMT6550-90 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)

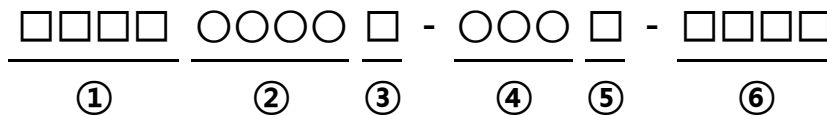
## ■ FEATURES

- 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)	
6550	7.2X6.9X4.8

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R10	0.1μH
1R0	1.0μH

⑤Inductance Tol	
M	±20%

⑥Internal Code	
90	

# LPMT6550-90 SERIES

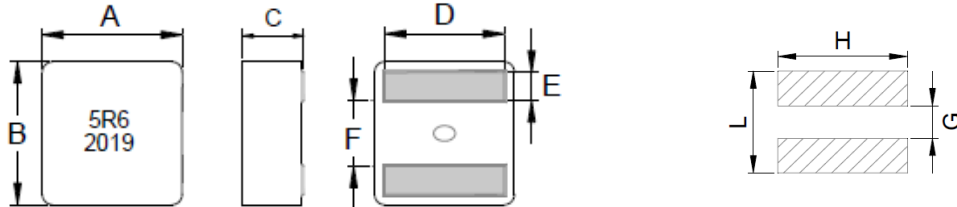


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## LPMT6550-90 SERIES

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

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
LPMT6550-90	7.20±0.20	6.90±0.20	4.80±0.20	See Spec.Table	1.40±0.20	2.60±0.25

L(mm)	G(mm)	H(mm)
5.60	2.50	5.60

### ■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)	D(mm)
				Max.	Typ.	Typ.	Typ.	±0.3
LPMT6550T - R82M-90	0.82	± 20	100	4.18	3.80	24.0	21.0	5.3
LPMT6550T - 1R0M-90	1.00	± 20		4.52	4.10	23.0	20.0	5.3
LPMT6550T - 1R2M-90	1.20	± 20		5.83	5.30	22.0	18.0	5.3
LPMT6550T - 1R5M-90	1.50	± 20		6.30	5.70	19.5	17.0	5.3
LPMT6550T - 1R8M-90	1.80	± 20		7.10	6.40	18.5	16.0	5.3
LPMT6550T - 2R2M-90	2.20	± 20		8.50	7.70	16.0	13.0	5.2
LPMT6550T - 3R3M-90	3.30	± 20		12.5	11.2	12.5	11.0	5.2
LPMT6550T - 4R3M-90	4.30	± 20		16.2	15.1	11.0	9.0	5.2
LPMT6550T - 4R7M-90	4.70	± 20		18.4	16.7	10.5	8.5	5.2
LPMT6550T - 5R6M-90	5.60	± 20		22.0	20.0	10.0	7.0	5.2
LPMT6550T - 6R8M-90	6.80	± 20		25.4	23.1	9.0	6.6	5.2
LPMT6550T - 8R2M-90	8.20	± 20		31.5	28.6	8.0	6.2	5.2

#### ▼ 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(Idc) : 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)