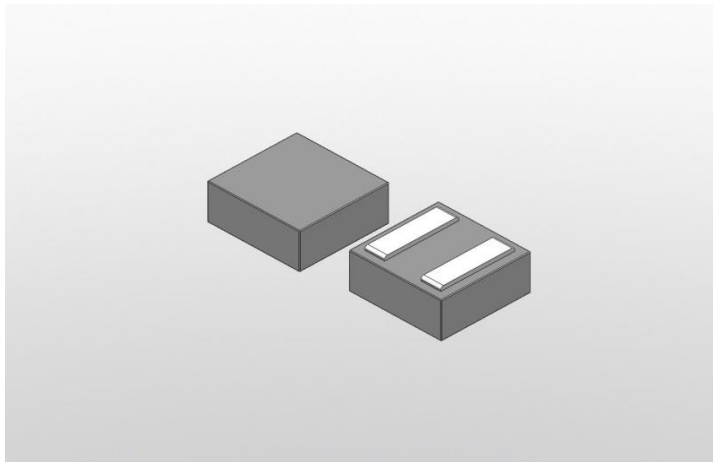


**ABCO Standard Inductor**

# **POWER INDUCTOR**

## **LPMT6530-90 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)

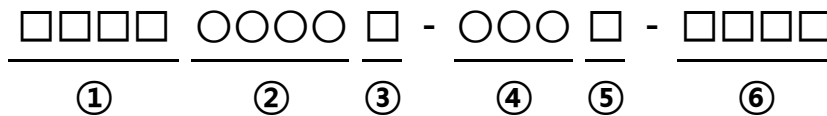
## ■ FEATURES

- 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)	
6530	7.2X6.9X2.9

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R10	0.1μH
1R0	1.0μH

⑤Inductance Tol	
M	±20%

⑥Internal Code	
90	

# LPMT6530-90 SERIES

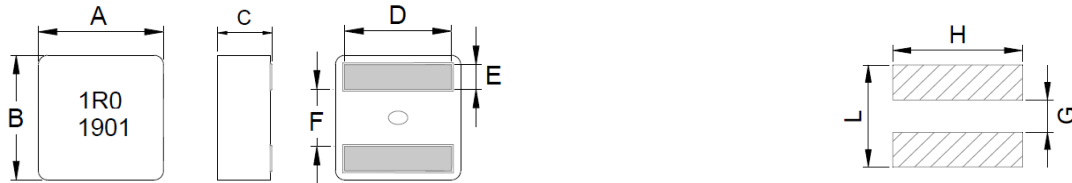


<http://www.abco.co.kr>

## LPMT6530-90 SERIES

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

Unit:mm



Series	A(mm)	B(mm)	C(mm)		D(mm)	E(mm)	F(mm)	L(mm)	G(mm)	H(mm)
LPMT6530-90	7.20±0.20	6.90±0.20	2.8±0.2	1.2uH and below	See Spec. Table	1.40±0.20	2.60±0.25	5.60	2.50	5.60
			2.9±0.2	1.5uH and above						

### ■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)	D(mm)
				Max.	Typ.	Typ.	Typ.	±0.3
LPMT6530T - R18M-90	0.18	± 20	100	1.75	1.60	40.0	32.0	5.30
LPMT6530T - R33M-90	0.33	± 20		2.50	2.25	32.0	25.0	5.55
LPMT6530T - R56M-90	0.56	± 20		3.31	3.00	29.0	22.0	5.30
LPMT6530T - R68M-90	0.68	± 20		5.17	4.70	25.0	20.0	5.30
LPMT6530T - 1R0M-90	1.00	± 20		6.05	5.50	23.0	18.0	5.20
LPMT6530T - 1R2M-90	1.20	± 20		7.40	6.70	22.0	16.0	5.15
LPMT6530T - 1R5M-90	1.50	± 20		9.13	8.30	20.0	15.0	5.15
LPMT6530T - 1R8M-90	1.80	± 20		10.2	9.20	18.2	14.0	5.10
LPMT6530T - 2R2M-90	2.20	± 20		12.2	11.0	15.9	10.0	5.05
LPMT6530T - 3R3M-90	3.30	± 20		20.8	18.8	12.2	8.0	5.00
LPMT6530T - 4R5M-90	4.50	± 20		25.3	23.0	10.0	7.0	5.00

#### ▼ 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)