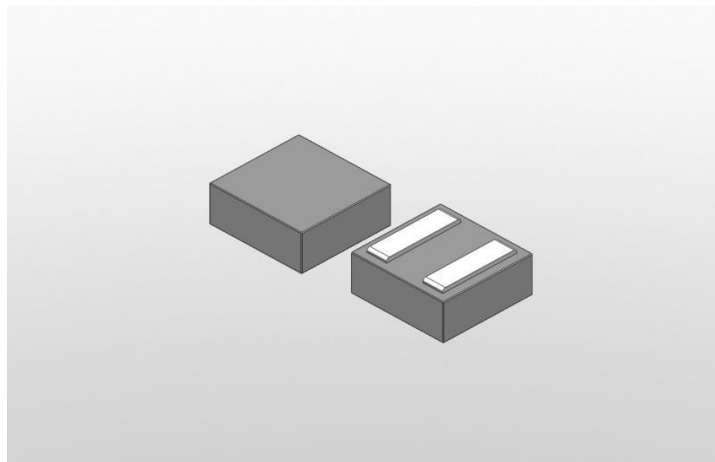


ABCO Standard Inductor

POWER INDUCTOR

LPMT6560-90 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**

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)

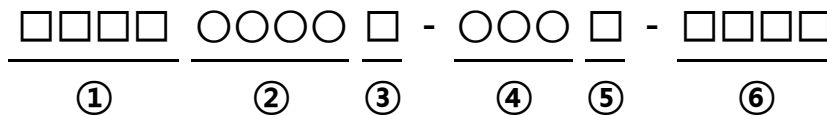
■ FEATURES

- 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)	
6560	7.2X6.9X5.8

③Packing	
T	TAPING
B	BULK

④Inductance Value	
1R0	1.0μH
100	10μH

⑤Inductance Tol	
M	±20%

⑥Internal Code	
90	

LPMT6560-90 SERIES

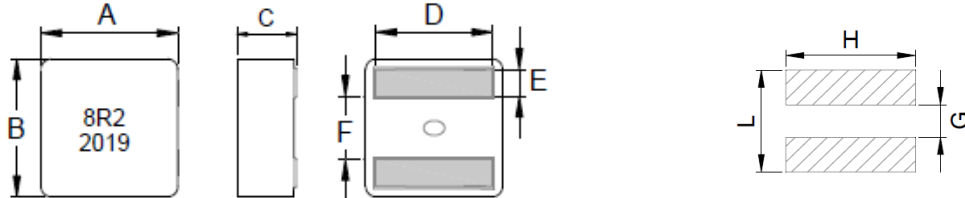


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LPMT6560-90 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
LPMT6560-90	7.20±0.20	6.90±0.20	5.80±0.20	5.30±0.30	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)
				Max.	Typ.	Typ.	Typ.
LPMT6560T - 1R0M-90	1.00	± 20	100	4.4	4.0	24.0	21.0
LPMT6560T - 1R5M-90	1.50	± 20		6.1	5.5	20.0	17.5
LPMT6560T - 2R2M-90	2.20	± 20		8.1	7.3	16.5	14.0
LPMT6560T - 3R3M-90	3.30	± 20		12.3	11.1	13.0	12.0
LPMT6560T - 4R7M-90	4.70	± 20		16.2	15.1	11.5	11.0
LPMT6560T - 5R6M-90	5.60	± 20		20.0	18.2	10.6	10.0
LPMT6560T - 6R8M-90	6.80	± 20		23.2	21.0	9.8	9.0
LPMT6560T - 8R2M-90	8.20	± 20		28.9	26.2	8.6	7.0
LPMT6560T - 100M-90	10.0	± 20		36.3	33.0	7.5	5.8

▼ 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_{dc}) : 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)