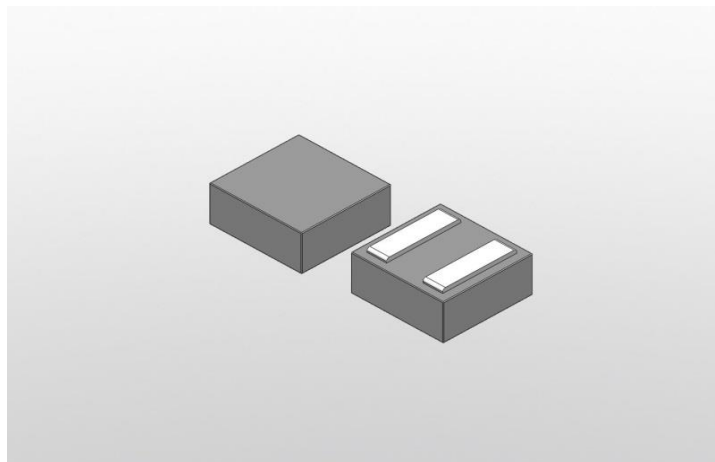


ABCO Standard Inductor

**AEC-Q200**

## POWER INDUCTOR LPMT6560-A9LO SERIES



31, Dunchon-daero 388 Beon-gil  
Seongnam-si, Gyeonggi-do, KOREA  
Sales Dept. TEL:82-31-730-5082  
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ABCO ELECTRONICS CO., LTD.

**■ OPERATION TEMP.**

LPMT-A9LO Series : -55°C~+155°C(Including self-generated heat)

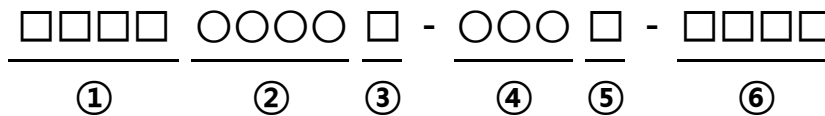
**■ FEATURES**

- Metal molding Construction
- High Current and Low Resistance

**■ APPLICATIONS**

DC/DC converters for PDA, Notebook, Desktop, Battery powered devices etc.

**■ ORDERING CODE**



<b>①Type</b>	
LPMT	

<b>②Body size(LxWxH)</b>	
6560	7.2X6.9X5.8

<b>③Packing</b>	
T	TAPING
B	BULK

<b>④Inductance Value</b>	
1R0	1.0μH
100	10μH

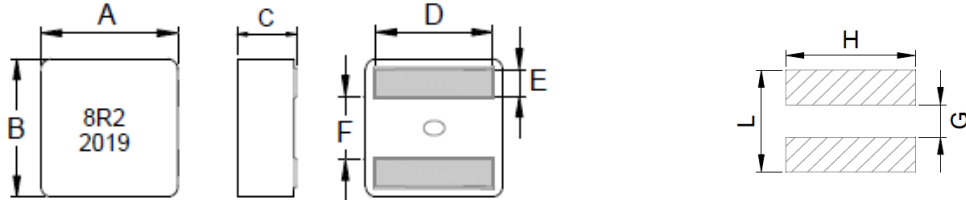
<b>⑤Inductance Tol</b>	
M	±20%

<b>⑥Internal Code</b>	
A9LO	

**LPMT6560-A9LO SERIES**

**SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN**

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
LPMT6560-A9LO	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-A9LO	1.00	± 20	100	4.29	3.9	18.0	19.0
LPMT6560T - 1R5M-A9LO	1.50	± 20		5.61	5.1	16.0	16.0
LPMT6560T - 2R2M-A9LO	2.20	± 20		7.80	7.0	14.0	14.0
LPMT6560T - 3R3M-A9LO	3.30	± 20		12.1	11.0	11.5	12.0
LPMT6560T - 4R7M-A9LO	4.70	± 20		14.4	13.1	10.5	11.0
LPMT6560T - 5R6M-A9LO	5.60	± 20		15.8	14.3	10.0	10.0
LPMT6560T - 6R8M-A9LO	6.80	± 20		20.8	18.9	9.2	9.0
LPMT6560T - 8R2M-A9LO	8.20	± 20		24.8	22.5	8.5	8.0
LPMT6560T - 100M-A9LO	10.0	± 20		29.3	26.6	7.6	7.0

**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) 15V ref.

**Operating Temperature Range**

-55°C ~ +155°C (Including self-generated heat)