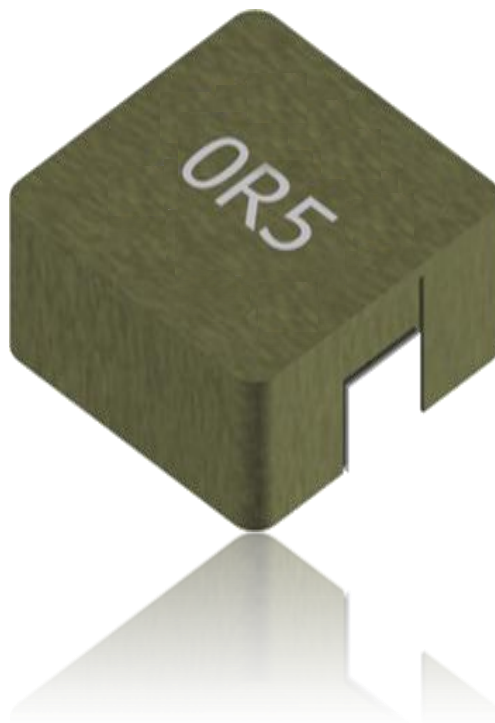


ABCO Standard Inductor

**AEC-Q200**

# POWER INDUCTOR

## LPMT6550-A1 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:82-31-730-5053  
FAX:82-31-730-5153

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ABCO ELECTRONICS CO., LTD.

■ OPERATION TEMP.

LPMT-A1 Series : -55°C~+125°C(Including self-generated heat)

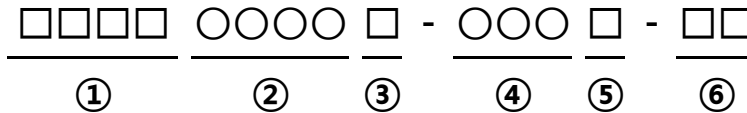
■ FEATURES

- 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	7.3X6.6X4.8

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R33	0.33μH
1R0	1.0μH
100	10μH

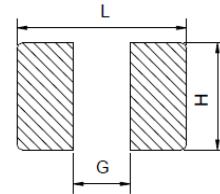
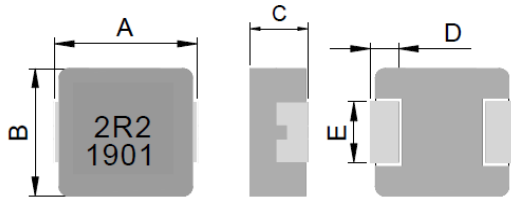
⑤Inductance Tol	
M	±20%
N	±30%

⑥Internal Code
A1

LPMT6550-A1 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT6550-A1	7.3±0.3	6.6±0.3	4.8±0.2	1.8±0.3	3.0±0.3

L(mm)	G(mm)	H(mm)
8.4	2.5	3.5

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT6550T - R33M-A1	0.33	± 20	100	3.0	2.5	32.0	25.0
LPMT6550T - R47M-A1	0.47	± 20		3.9	3.5	30.0	22.0
LPMT6550T - R56M-A1	0.56	± 20		4.2	3.6	27.0	20.0
LPMT6550T - R68M-A1	0.68	± 20		4.5	4.0	24.0	18.0
LPMT6550T - R82M-A1	0.82	± 20		4.9	4.6	22.0	16.5
LPMT6550T - 1R0M-A1	1.00	± 20		6.5	6.1	20.0	15.0
LPMT6550T - 1R5M-A1	1.50	± 20		9.0	8.6	16.5	12.0
LPMT6550T - 2R2M-A1	2.20	± 20		12.0	11.2	14.0	10.0
LPMT6550T - 3R3M-A1	3.30	± 20		20.9	19.0	12.0	8.0
LPMT6550T - 4R7M-A1	4.70	± 20		30.8	28.0	10.0	6.5
LPMT6550T - 5R6M-A1	5.60	± 20		49.0	43.5	9.0	6.0
LPMT6550T - 6R8M-A1	6.80	± 20		51.5	46.0	8.5	5.5
LPMT6550T - 8R2M-A1	8.20	± 20		63.0	56.0	8.0	5.0
LPMT6550T - 100M-A1	10.0	± 20		69.0	60.0	7.5	4.0
LPMT6550T - 150M-A1	15.0	± 20		92.0	81.0	6.0	3.5
LPMT6550T - 220M-A1	22.0	± 20		170	140	5.5	2.5
LPMT6550T - 330M-A1	33.0	± 20		200	173	3.5	2.0

▼ Test Equipments

- Inductance measured : HP4284A,CH11025,CH3302,CH1320,CH1320S LCR METER(100kHz, 1.0V)
- 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

▼ Operating Temperature Range

-55°C ~ +125°C (Including self-generated heat)