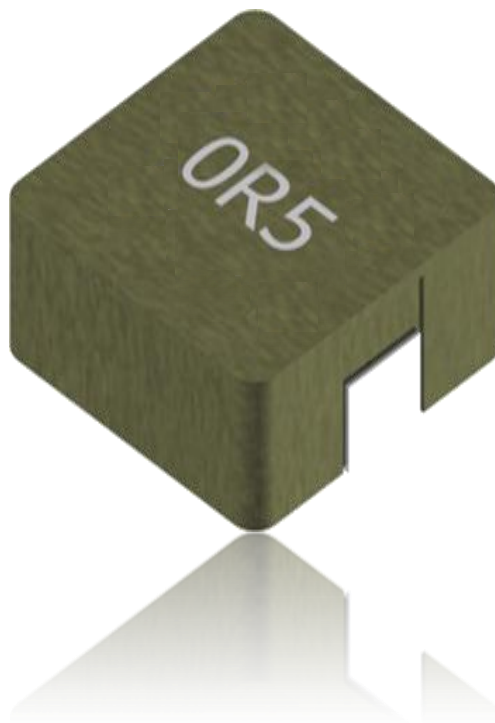


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT6515-A1 SERIES



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Seongnam-si, Gyeonggi-do, KOREA
Sales Dept. TEL:82-31-730-5082
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Eng. Dept. TEL:82-31-730-5053
FAX:82-31-730-5153

ABCO ELECTRONICS CO., LTD.

■ **OPERATION TEMP.**

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

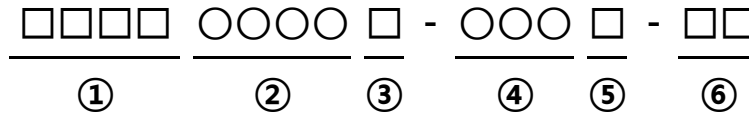
■ **FEATURES**

- 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)	
6515	7.0X6.6X1.3

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R10	0.10µH
1R0	1.0µH
100	10µH

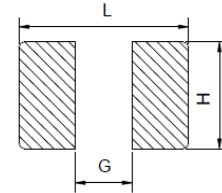
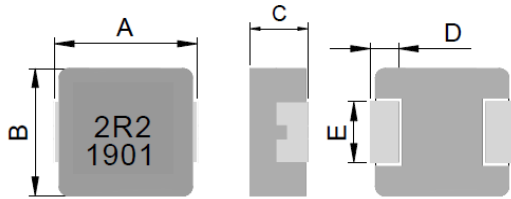
⑤Inductance Tol	
M	±20%
N	±30%

⑥Internal Code	
A1	

LPMT6515-A1 SERIES

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

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT6515-A1	7.0±0.3	6.6±0.3	1.3±0.2	1.8±0.3	3.0±0.3

L(mm)	G(mm)	H(mm)
7.7	2.5	3.5

■ **ELECTRICAL CHARACTERISTICS**

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT6515T - R10N-A1	0.10	± 30	100	3.1	2.5	35.0	17.5
LPMT6515T - R15N-A1	0.15	± 30		4.5	3.7	25.0	16.0
LPMT6515T - R22N-A1	0.22	± 30		5.2	4.3	22.0	14.0
LPMT6515T - R33M-A1	0.33	± 20		7.6	6.6	18.0	11.0
LPMT6515T - R47M-A1	0.47	± 20		10.3	9.0	16.0	9.5
LPMT6515T - R56M-A1	0.56	± 20		14.0	12.5	15.5	9.0
LPMT6515T - R68M-A1	0.68	± 20		15.2	13.8	15.0	7.5
LPMT6515T - R82M-A1	0.82	± 20		24.0	20.0	14.0	7.0
LPMT6515T - 1R0M-A1	1.00	± 20		25.8	23.0	12.0	6.5
LPMT6515T - 1R5M-A1	1.50	± 20		42.5	37.0	9.5	5.0
LPMT6515T - 2R2M-A1	2.20	± 20		55.0	48.0	6.5	4.5
LPMT6515T - 3R3M-A1	3.30	± 20		74.0	62.0	6.0	4.2
LPMT6515T - 4R7M-A1	4.70	± 20		111	96.0	5.0	3.8
LPMT6515T - 5R6M-A1	5.60	± 20		138	115	4.5	3.0
LPMT6515T - 6R8M-A1	6.80	± 20		148	128	3.5	2.6
LPMT6515T - 8R2M-A1	10.0	± 20		184	153	3.2	2.4
LPMT6515T - 100M-A1	18.0	± 20		216	180	2.8	2.3
LPMT6515T - 220M-A1	22.0	± 20		504	420	2.5	1.5

▼ **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)