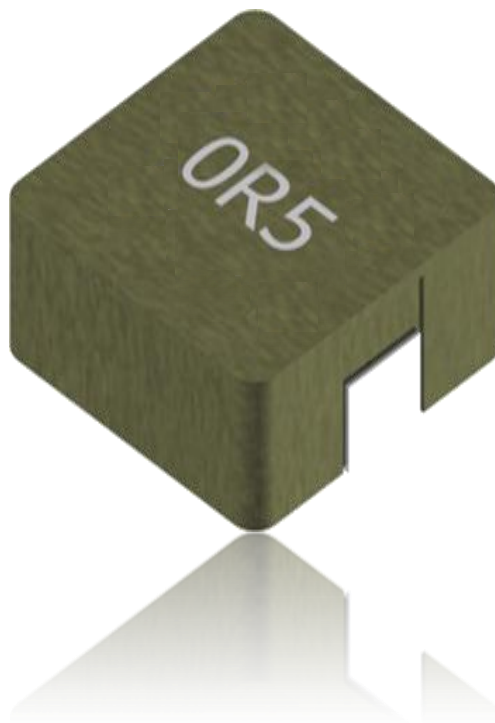


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT6518-A1 SERIES



31, Dunchon-daero 388 Beon-gil
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)

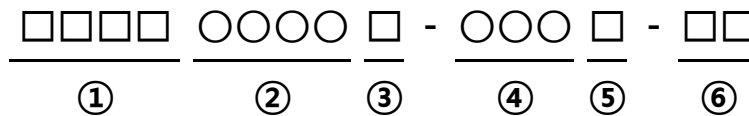
■ **FEATURES**

- 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)	
6518	7.0X6.6X1.6

③Packing	
T	TAPING
B	BULK

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

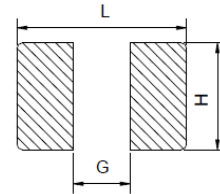
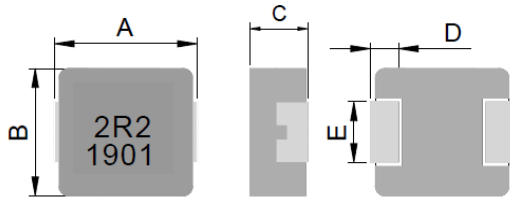
⑤Inductance Tol	
M	±20%
N	±30%

⑥Internal Code
A1

LPMT6518-A1 SERIES

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

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT6518-A1	7.0±0.3	6.6±0.3	1.6±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.
LPMT6518T - R10N-A1	0.10	± 30	100	2.5	2.1	45.0	18.0
LPMT6518T - R15M-A1	0.15	± 20		2.6	2.2	34.0	18.0
LPMT6518T - R15N-A1	0.15	± 30		2.6	2.2	34.0	18.0
LPMT6518T - R22N-A1	0.22	± 20		3.0	2.5	26.0	16.0
LPMT6518T - R33M-A1	0.33	± 20		5.8	4.8	22.0	14.0
LPMT6518T - R47M-A1	0.47	± 20		7.4	6.4	18.0	12.0
LPMT6518T - R56M-A1	0.56	± 20		10.0	8.5	17.5	11.0
LPMT6518T - R68M-A1	0.68	± 20		11.0	9.5	17.0	10.0
LPMT6518T - R82M-A1	0.82	± 20		14.0	11.5	15.5	8.5
LPMT6518T - 1R0M-A1	1.00	± 20		17.0	14.5	14.0	7.0
LPMT6518T - 1R5M-A1	1.50	± 20		25.2	21.0	13.0	6.0
LPMT6518T - 2R2M-A1	2.20	± 20		35.0	31.0	11.0	6.0
LPMT6518T - 3R3M-A1	3.30	± 20		46.0	40.0	9.0	5.0
LPMT6518T - 4R7M-A1	4.70	± 20		76.0	68.0	7.0	4.0
LPMT6518T - 5R6M-A1	5.60	± 20		86.0	78.0	6.0	3.5
LPMT6518T - 6R8M-A1	6.80	± 20		104	93.0	5.5	3.0
LPMT6518T - 8R2M-A1	8.20	± 20		140	123	4.5	2.6
LPMT6518T - 100M-A1	10.0	± 20		160	143	3.5	2.3
LPMT6518T - 150M-A1	15.0	± 20		280	240	3.0	2.0
LPMT6518T - 220M-A1	22.0	± 20		360	300	2.5	1.8

▼ **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)