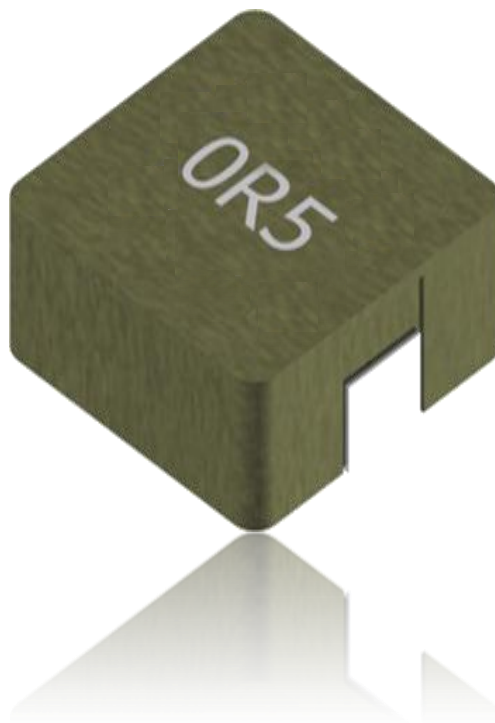


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT5018-A1 SERIES



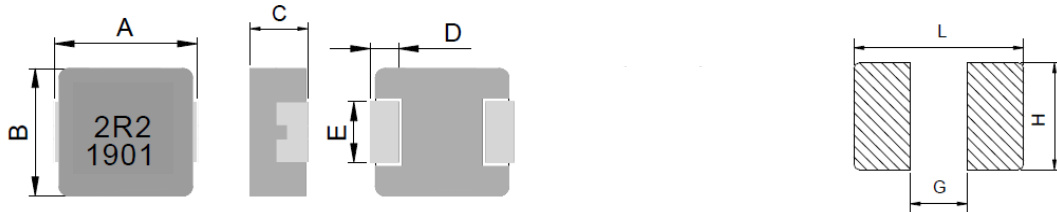
31, Dunchon-daero 388 Beon-gil
Seongnam-si, Gyeonggi-do, KOREA
Sales Dept. TEL:82-31-730-5082
FAX:82-31-730-5152
Eng. Dept. TEL:82-31-730-5053
FAX:82-31-730-5153

ABCO ELECTRONICS CO., LTD.

LPMT5018-A1 SERIES

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

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT5018-A1	5.7±0.3	5.2±0.2	1.6±0.2	1.1±0.3	2.5±0.3

L(mm)	G(mm)	H(mm)
6.2	2.2	2.8

■ **ELECTRICAL CHARACTERISTICS**

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT5018T - R15N-A1	0.15	± 30	100	3.9	3.5	27.0	15.5
LPMT5018T - R22M-A1	0.22	± 20		5.0	4.2	22.0	13.0
LPMT5018T - R33M-A1	0.33	± 20		8.6	7.5	15.0	11.0
LPMT5018T - R47M-A1	0.47	± 20		11.3	9.8	14.0	10.0
LPMT5018T - R56M-A1	0.56	± 20		13.0	11.0	13.5	9.5
LPMT5018T - R68M-A1	0.68	± 20		14.3	12.4	13.0	9.0
LPMT5018T - 1R0M-A1	1.00	± 20		21.0	18.2	10.0	6.8
LPMT5018T - 1R5M-A1	1.50	± 20		30.0	26.0	9.0	6.0
LPMT5018T - 2R2M-A1	2.20	± 20		48.3	42.0	7.5	4.5
LPMT5018T - 3R3M-A1	3.30	± 20		69.0	60.0	5.0	3.5
LPMT5018T - 4R7M-A1	4.70	± 20		98.0	85.0	4.5	3.0
LPMT5018T - 5R6M-A1	5.60	± 20		127	110	4.0	2.5
LPMT5018T - 6R8M-A1	6.80	± 20		137	118	3.5	2.4
LPMT5018T - 8R2M-A1	8.20	± 20		165	143	3.0	2.3
LPMT5018T - 100M-A1	10.0	± 20		190	165	2.8	2.3
LPMT5018T - 150M-A1	15.0	± 20		318	275	2.3	1.7

▼ **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)