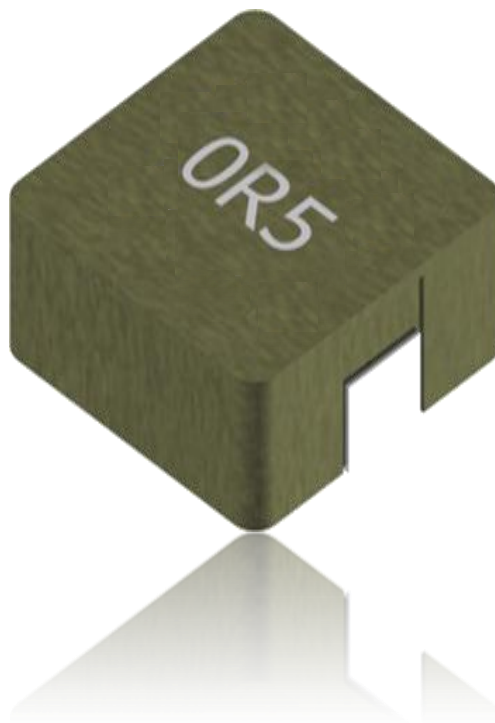


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT1770-A1 SERIES



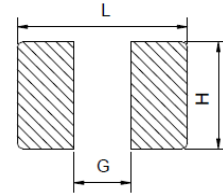
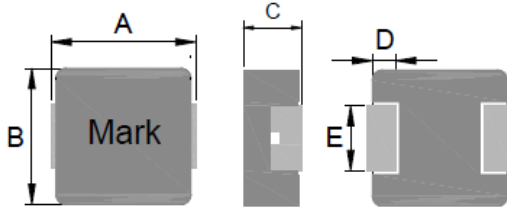
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ABCO ELECTRONICS CO., LTD.

LPMT1770-A1 SERIES

SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT1770-A1	17.6±0.4	16.9±0.3	6.7±0.3	2.1±0.3	11.9±0.3

L(mm)	G(mm)	H(mm)
18.5	12.2	12.5

ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT1770T - R45M-A1	0.45	± 20	100	0.96	0.80	125	62.0
LPMT1770T - R47M-A1	0.47	± 20		1.03	0.95	123.0	62.0
LPMT1770T - 1R0M-A1	1.00	± 20		2.00	1.60	70.0	52.0
LPMT1770T - 1R5M-A1	1.50	± 20		2.50	2.00	65.0	47.0
LPMT1770T - 2R2M-A1	2.20	± 20		2.70	2.40	62.0	43.5
LPMT1770T - 3R3M-A1	3.30	± 20		3.90	3.50	54.0	28.0
LPMT1770T - 4R7M-A1	4.70	± 20		5.50	4.80	50.0	25.0
LPMT1770T - 5R6M-A1	5.60	± 20		7.05	5.80	45.0	21.0
LPMT1770T - 6R8M-A1	6.80	± 20		9.20	8.40	39.0	19.0
LPMT1770T - 8R2M-A1	8.20	± 20		10.8	9.60	31.0	18.0
LPMT1770T - 100M-A1	10.0	± 20		13.0	11.8	29.0	16.5
LPMT1770T - 150M-A1	15.0	± 20		20.5	17.8	27.0	12.5
LPMT1770T - 220M-A1	22.0	± 20		26.5	25.1	23.0	12.0
LPMT1770T - 330M-A1	33.0	± 20		44.0	38.0	20.0	10.7
LPMT1770T - 470M-A1	47.0	± 20		55.0	48.0	16.0	8.7
LPMT1770T - 560M-A1	56.0	± 20		62.0	54.0	15.0	7.8
LPMT1770T - 680M-A1	68.0	± 20		80.0	68.0	13.0	7.0
LPMT1770T - 820M-A1	82.0	± 20		100	87.0	12.0	5.7
LPMT1770T - 101M-A1	100	± 20		118	102	12.0	5.3

▼ 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)