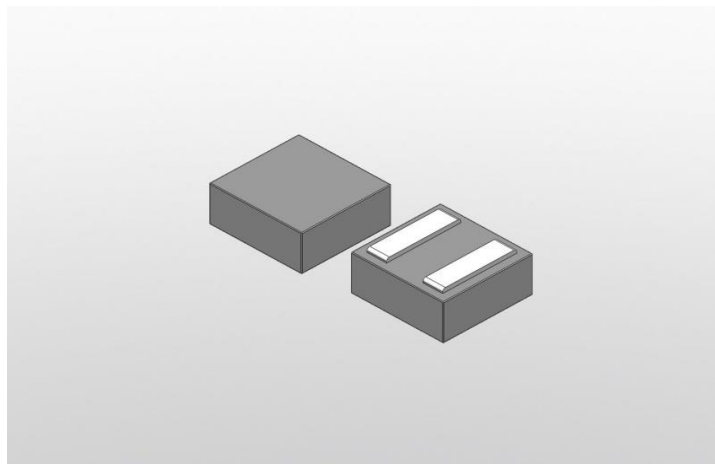


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT5050-A9LO SERIES



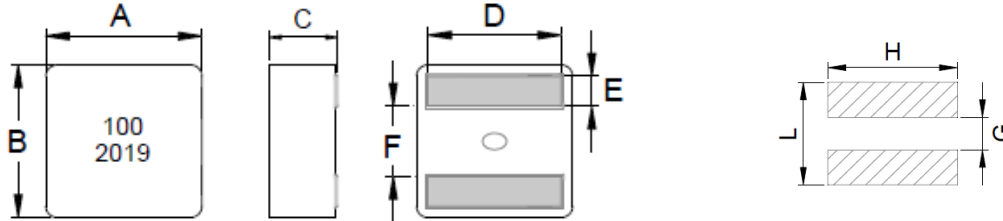
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ABCO ELECTRONICS CO., LTD.

LPMT5050-A9LO SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
LPMT5050-A9LO	6.0±0.20	5.70±0.20	4.80±0.20	4.30±0.30	1.10±0.20	2.30±0.25

L(mm)	G(mm)	H(mm)
4.50	2.00	4.70

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT5050T - 5R6M-A9LO	5.60	± 20	100	24.2	22.0	8.6	7.2
LPMT5050T - 6R8M-A9LO	6.80	± 20		28.6	26.0	7.8	6.4
LPMT5050T - 8R2M-A9LO	8.20	± 20		32.5	29.5	7.2	6.1
LPMT5050T - 100M-A9LO	10.0	± 20		43.0	39.0	6.5	5.0

▼ Test Equipments

- Inductance measured : HP4284A,CH11025,CH3302,CH1320,CH1320S LCR METER(100kHz, 0.1V)
- 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
- Rated operating voltage(across inductor) 15V ref.

▼ Operating Temperature Range

-55°C ~ +155°C (Including self-generated heat)