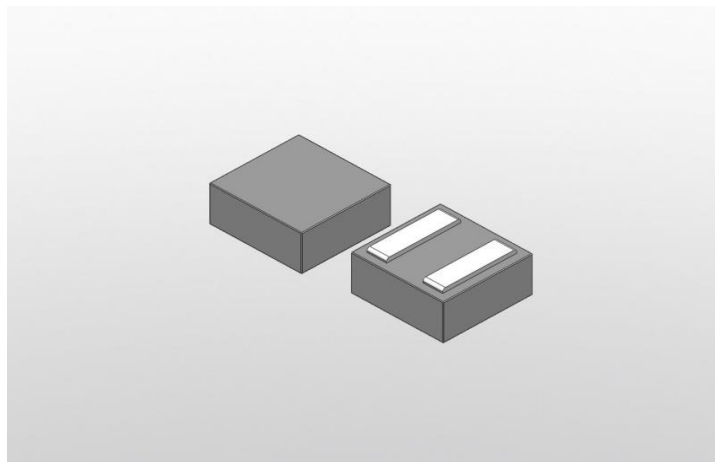


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT1010-A90 SERIES



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Seongnam-si, Gyeonggi-do, KOREA
Sales Dept. TEL:82-31-730-5082
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ABCO ELECTRONICS CO., LTD.

■ **OPERATION TEMP.**

LPMT-A90 Series : -55°C~+155°C(Including self-generated heat)

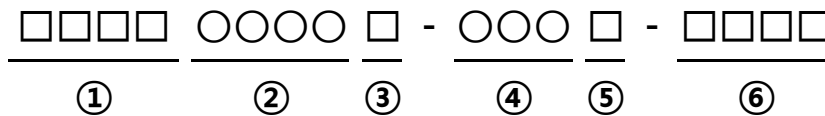
■ **FEATURES**

- 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)	
1010	11.9X11.0X9.7

③Packing	
T	TAPING
B	BULK

④Inductance Value	
1R0	1.0μH
100	10μH

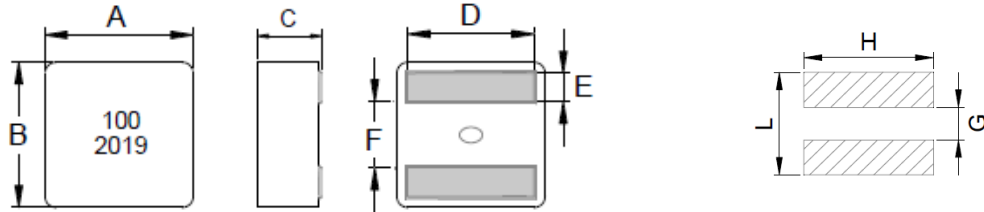
⑤Inductance Tol	
M	±20%

⑥Internal Code	
A90	

LPMT1010-A90 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
LPMT1010-A90	11.9±0.30	11.0±0.30	9.70±0.30	See Spec.Table	2.40±0.20	4.40±0.30

L(mm)	G(mm)	H(mm)
10.50	3.70	11.00

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)	D(mm)
				Max.	Typ.	Typ.	Typ.	±0.5
LPMT1010T - 4R7M-A90	4.70	± 20	100	5.7	5.2	25.4	24.0	9.3
LPMT1010T - 5R6M-A90	5.60	± 20		7.2	6.5	23.6	21.2	9.3
LPMT1010T - 6R8M-A90	6.80	± 20		8.9	8.1	21.8	18.5	9.0
LPMT1010T - 8R2M-A90	8.20	± 20		12.4	10.8	18.3	17.1	9.0
LPMT1010T - 100M-A90	10.0	± 20		13.75	12.5	17.5	15.5	9.0
LPMT1010T - 150M-A90	15.0	± 20		19.3	17.5	15.5	13.8	9.0

▼ 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) 40V ref.

▼ Operating Temperature Range

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