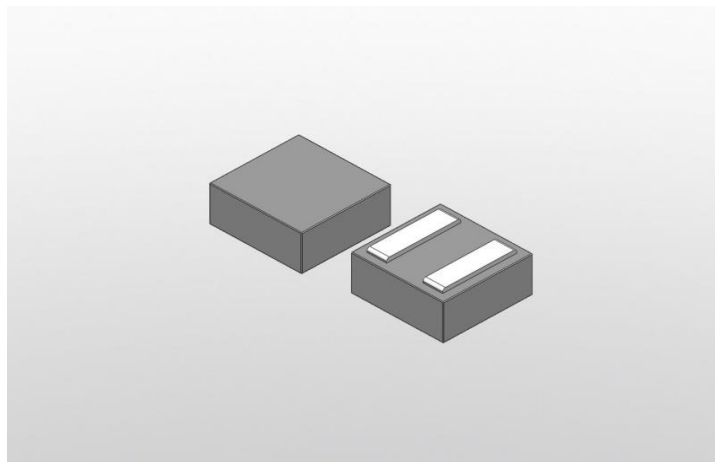


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR LPMT8080-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)

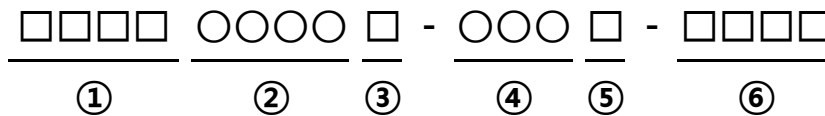
■ FEATURES

- 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)	
8080	8.9X8.5X7.7

③Packing	
T	TAPING
B	BULK

④Inductance Value	
1R0	1.0μH
100	10μH

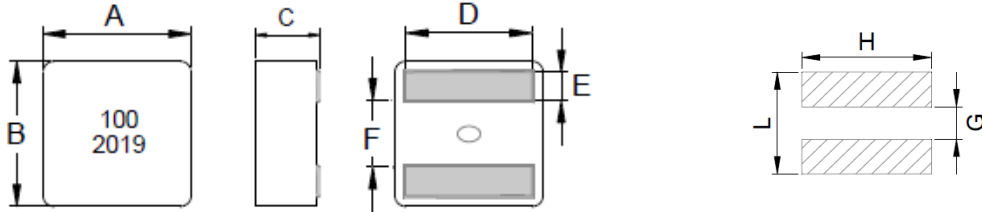
⑤Inductance Tol	
M	±20%

⑥Internal Code	
A90	

LPMT8080-A90 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
LPMT8080-A90	8.90±0.30	8.5±0.30	7.70±0.30	See Spec.Table	1.8±0.20	3.5±0.30

L(mm)	G(mm)	H(mm)
8.00	2.70	7.80

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)	D(mm)
				Max.	Typ.	Typ.	Typ.	±0.3
LPMT8080T - 3R3M-A90	3.30	± 20	100	7.3	6.6	23.0	18.0	6.9
LPMT8080T - 4R7M-A90	4.70	± 20		9.8	8.9	19.0	14.6	6.9
LPMT8080T - 6R8M-A90	6.80	± 20		14.3	13.0	14.5	11.3	6.9
LPMT8080T - 100M-A90	10.0	± 20		22.9	20.8	11.0	8.7	6.9

▼ 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(I_{dc}) : 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)