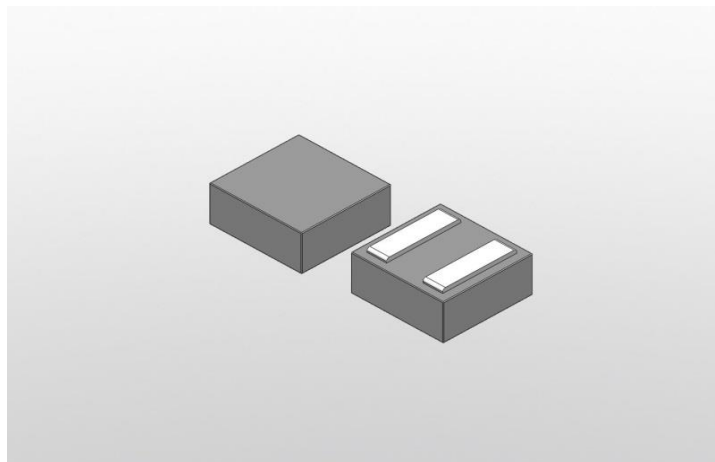


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT7050-A90 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:82-31-730-5034
FAX:82-31-730-5132

ABCO ELECTRONICS CO., LTD.

■ OPERATION TEMP.

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

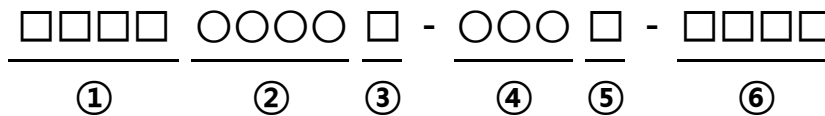
■ FEATURES

- 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)	
7050	8.4X8.0X4.8

③Packing	
T	TAPING
B	BULK

④Inductance Value	
1R0	1.0μH

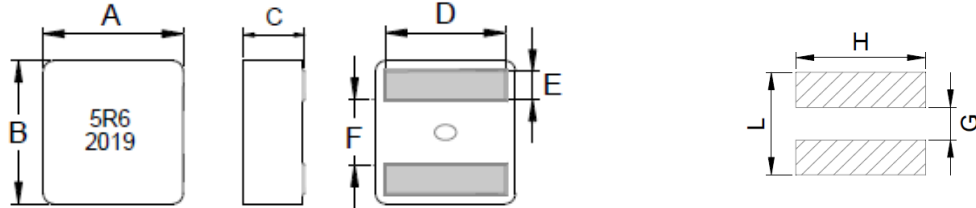
⑤Inductance Tol	
M	±20%

⑥Internal Code	
A90	

LPMT7050-A90 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
LPMT7050-A90	8.40±0.30	8.0±0.30	4.80±0.20	See Spec.Table	1.75±0.20	3.15±0.25

L(mm)	G(mm)	H(mm)
7.40	2.80	7.20

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)	D(mm)
				Max.	Typ.	Typ.	Typ.	±0.3
LPMT7050T - 2R2M-A90	2.20	± 20	100	6.40	5.8	21.0	14.0	6.2
LPMT7050T - 3R3M-A90	3.30	± 20		11.44	10.4	17.0	13.0	6.2
LPMT7050T - 4R7M-A90	4.70	± 20		15.40	14.0	15.0	11.0	6.2
LPMT7050T - 5R6M-A90	5.60	± 20		17.20	15.6	13.0	10.0	6.2

▼ 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)