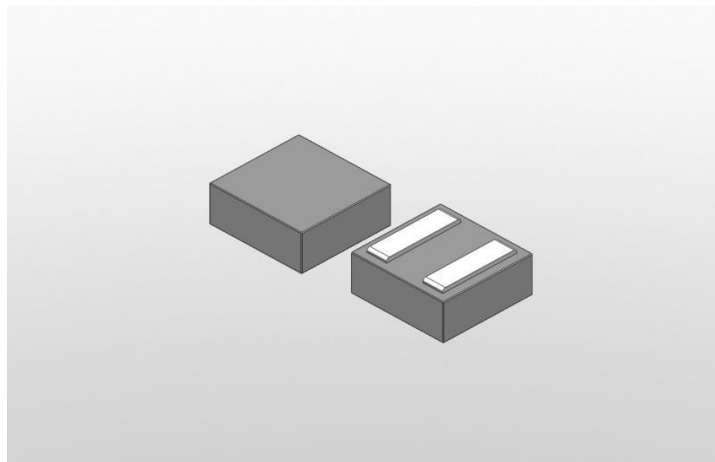


ABCO Standard Inductor

POWER INDUCTOR

LPMT1513-90 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.

Inductor for Car of Metal Molding type



<http://www.abco.co.kr>

■ OPERATION TEMP.

LPMT-90 Series : -40°C~+125°C(Including self-generated heat)

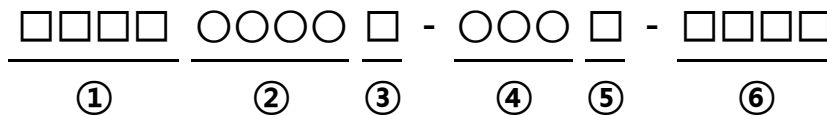
■ FEATURES

- 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)	
1513	17.5X16.5X12.7

③Packing	
T	TAPING
B	BULK

④Inductance Value	
1R0	1.0μH
100	10μH

⑤Inductance Tol	
M	±20%

⑥Internal Code	
90	

LPMT1513-90 SERIES

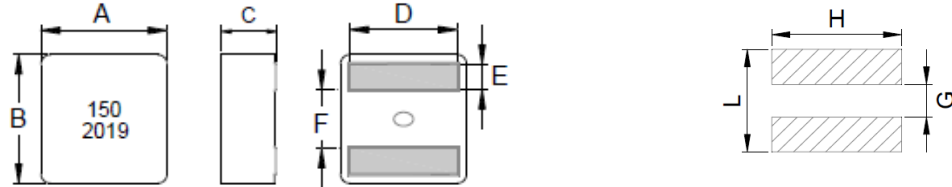


<http://www.abco.co.kr>

LPMT1513-90 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
LPMT1513-90	17.5±0.3	16.5±0.3	12.7±0.3	13.2±0.5	3.2±0.2	7.0±0.3

L(mm)	G(mm)	H(mm)
15.0	6.0	15.0

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT1513T - 5R6M-90	5.60	± 20	100	3.90	3.50	40.0	29.0
LPMT1513T - 6R8M-90	6.80	± 20		4.20	3.80	37.0	27.0
LPMT1513T - 8R2M-90	8.20	± 20		5.74	5.10	33.0	26.0
LPMT1513T - 100M-90	10.0	± 20		7.00	6.30	30.0	25.0
LPMT1513T - 150M-90	15.0	± 20		7.50	6.80	25.5	22.0
LPMT1513T - 220M-90	22.0	± 20		13.86	12.60	22.0	17.0
LPMT1513T - 330M-90	33.0	± 20		22.20	18.50	19.0	14.0

▼ 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

- 40°C ~ +125°C (Including self-generated heat)