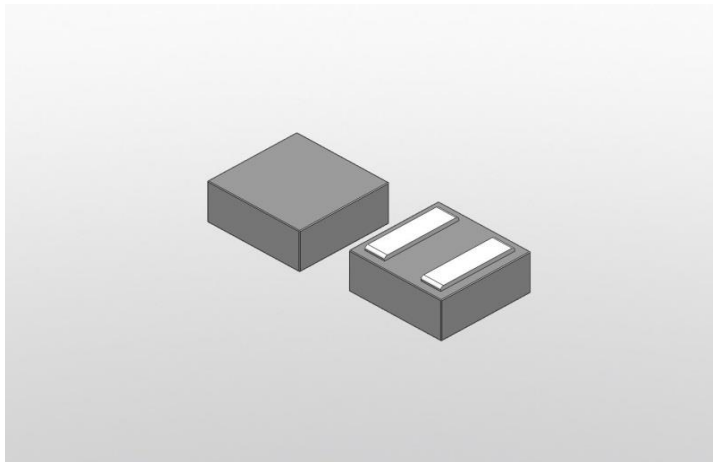


ABCO Standard Inductor

POWER INDUCTOR

LPMT4020-9LO 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-9LO Series : -40°C~+125°C(Including self-generated heat)

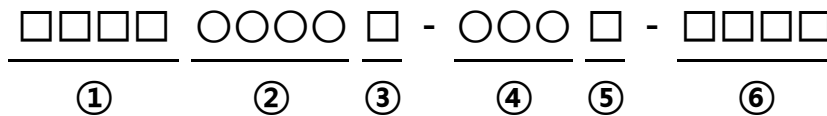
■ FEATURES

- 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)	
4020	4.1X4.1X1.9

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R10	0.1μH
1R0	1.0μH

⑤Inductance Tol	
M	±20%

⑥Internal Code	
9LO	

LPMT4020-9LO SERIES

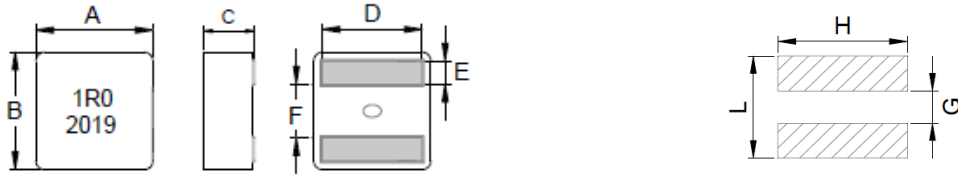


<http://www.abco.co.kr>

LPMT4020-9LO SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
LPMT4020-9LO	4.10±0.20	4.10±0.20	1.90±0.20	3.40±0.30	0.88±0.20	1.60±0.25

L(mm)	G(mm)	H(mm)
3.40	1.40	3.80

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT4020T - R47M-9LO	0.47	± 20	100	6.80	6.00	14.0	13.2
LPMT4020T - R68M-9LO	0.68	± 20		8.20	7.30	11.6	12.0
LPMT4020T - R82M-9LO	0.82	± 20		9.50	8.60	10.2	11.5
LPMT4020T - 1R0M-9LO	1.00	± 20		11.70	10.60	9.2	11.0
LPMT4020T - 1R2M-9LO	1.20	± 20		13.40	12.20	8.6	9.5
LPMT4020T - 1R5M-9LO	1.50	± 20		15.80	14.40	7.5	9.1
LPMT4020T - 2R0M-9LO	2.00	± 20		23.30	21.15	6.2	8.2
LPMT4020T - 2R2M-9LO	2.20	± 20		23.50	21.35	6.0	8.0

▼ 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(I_{dc}) : The value of Isat or Irms , whichever is smaller
- Rated operating voltage(across inductor) 15V ref.

▼ Operating Temperature Range

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