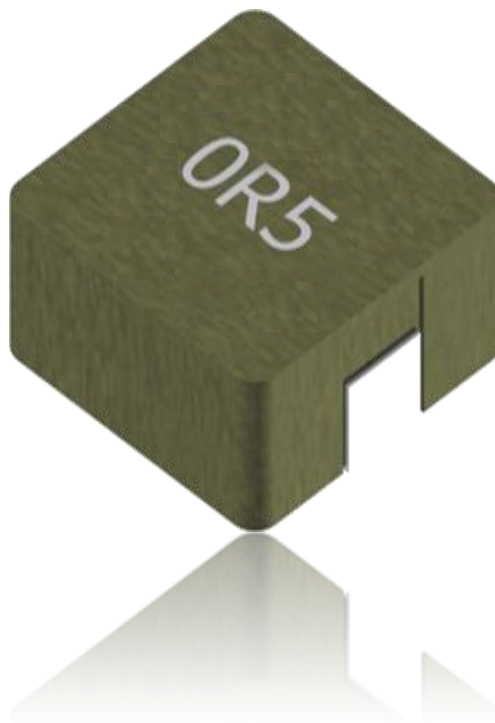


ABCO Standard Inductor

POWER INDUCTOR

LPMT4020-1HP 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:82-31-730-5053
FAX:82-31-730-5153

ABCO ELECTRONICS CO., LTD.

Inductor for Car of Metal Molding type



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

■ OPERATION TEMP.

LPMT-1HP Series : -40°C~+125°C(Including self-generated heat)

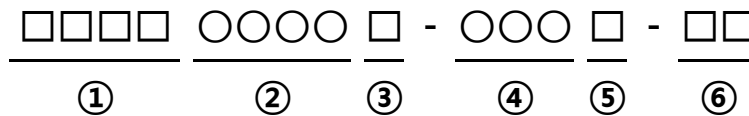
■ FEATURES

- 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	4.45X4.06X1.8

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R10	0.10μH
1R0	1.0μH
100	10μH

⑤Inductance Tol	
M	±20%
N	±30%

⑥Internal Code
1HP

LPMT4020-1HP SERIES

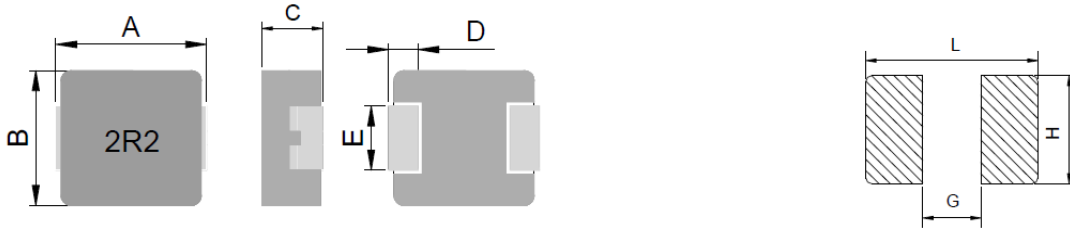


http://www.abco.co.kr

LPMT4020-1HP SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT4020-1HP	4.45±0.25	4.06±0.25	1.8±0.2	0.76±0.30	2.0±0.20

L(mm)	G(mm)	H(mm)
5.2	2.2	2.4

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT4020T - R10N-1HP	0.10	± 30	100	4.0	3.2	35.0	14.0
LPMT4020T - R22N-1HP	0.22	± 30		7.3	6.6	24.0	13.0
LPMT4020T - R33M-1HP	0.33	± 20		8.6	7.8	18.0	10.0
LPMT4020T - R47M-1HP	0.47	± 20		14.0	11.2	12.0	8.0
LPMT4020T - R56M-1HP	0.56	± 20		16.0	13.5	10.0	7.3
LPMT4020T - R68M-1HP	0.68	± 20		19.0	16.0	10.0	7.0
LPMT4020T - 1R0M-1HP	1.00	± 20		27.0	22.0	8.5	5.0
LPMT4020T - 1R5M-1HP	1.50	± 20		42.0	34.8	7.0	4.5
LPMT4020T - 2R2M-1HP	2.20	± 20		61.0	51.0	6.0	4.0
LPMT4020T - 3R3M-1HP	3.30	± 20		76.0	69.0	4.0	3.5
LPMT4020T - 4R7M-1HP	4.70	± 20		105	95.0	3.5	2.6
LPMT4020T - 5R6M-1HP	5.60	± 20		125	112.0	3.0	2.2
LPMT4020T - 6R8M-1HP	6.80	± 20		172	150.0	2.8	2.1
LPMT4020T - 8R2M-1HP	8.20	± 20		180	158.0	2.5	2.0
LPMT4020T - 100M-1HP	10.0	± 20		243	215.0	2.3	1.8
LPMT4020T - 150M-1HP	15.0	± 20		374	325.0	1.9	1.5
LPMT4020T - 220M-1HP	22.0	± 20	500	470.0	1.4	1.2	

▼ Test Equipments

- Inductance measured : HP4284A,CH11025,CH3302,CH1320,CH1320S LCR METER(100kHz, 1.0V)
- 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

▼ Operating Temperature Range

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