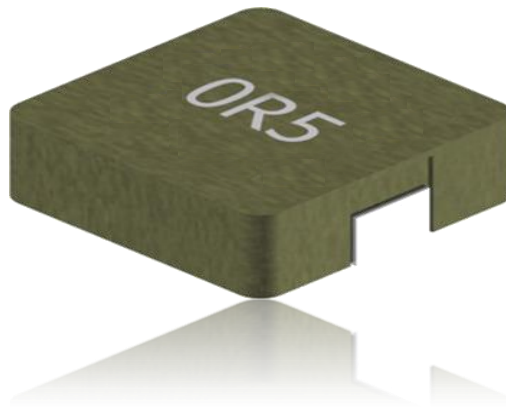


ABCO Standard Inductor

POWER INDUCTOR

LPMT1030-4S 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.

LPMT1030-4S series : -40°C~+125°C(Including self-generated heat)

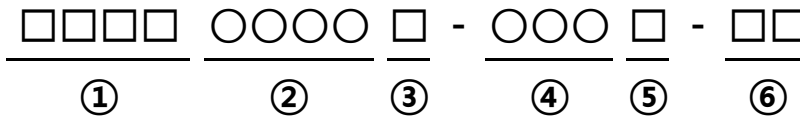
■ FEATURES

- 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)	
1030	11.0X10.0X2.8

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R10	0.1μH
1R0	1.0μH
100	10μH
101	100μH

⑤Inductance Tol	
M	±20%

⑥Internal Code	
4S	

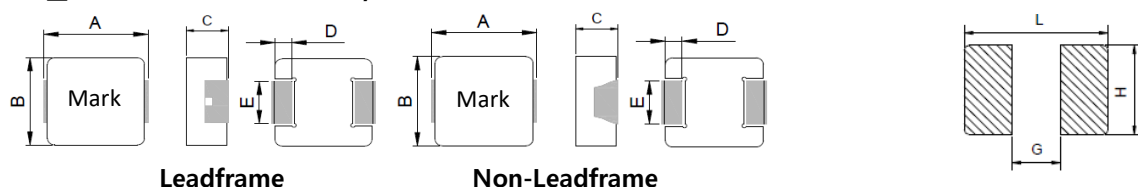
LPMT1030-4S SERIES



http://www.abco.co.kr

LPMT1030-4S SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN



Unit:mm

Series	A(mm)	B(mm)	C(mm)	D(mm)	*E(mm)		L(mm)	G(mm)	H(mm)
					2.7±0.3	0.47uH and below			
LPMT1030-4S	11.0±0.3	10.0±0.3	2.8±0.2	2.0±0.3	3.0±0.3	0.82uH and above	13.6	5.4	3.5

* Under 0.82uH is non-leadframe specification

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [uH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT1030T - R22M-4S	0.22	± 20	100	1.00	0.90	50.0	33.0
LPMT1030T - R36M-4S	0.36	± 20		1.40	1.25	40.0	28.0
LPMT1030T - R47M-4S	0.47	± 20		2.20	1.80	36.0	26.0
LPMT1030T - R82M-4S	0.82	± 20		3.70	3.10	28.0	20.0
LPMT1030T - 2R2M-4S	2.20	± 20		8.80	7.80	18.0	14.0
LPMT1030T - 8R2M-4S	8.20	± 20		38.0	32.0	7.20	7.20

▼ 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)