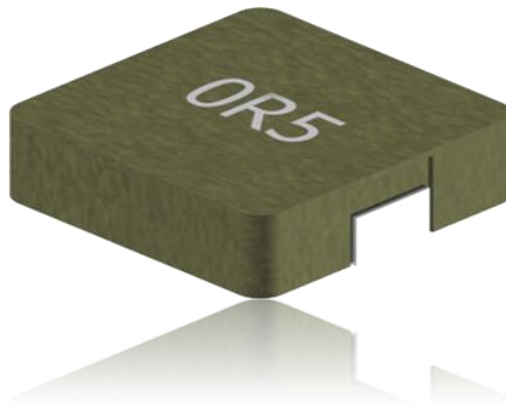


ABCO Standard Inductor

POWER INDUCTOR

LPMT1265-4SP 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.

LPMT1265-4SP SERIES

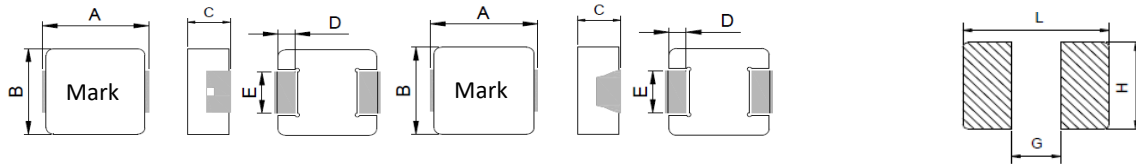


http://www.abco.co.kr

LPMT1265-4SP SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Leadframe

Non-Leadframe

Series	A(mm)	B(mm)	C(mm)	D(mm)	*E(mm)		L(mm)	G(mm)	H(mm)
					4.0±0.3	0.68~1.5uH			
LPMT1265-4SP	13.5±0.5	12.6±0.2	6.2±0.3	2.3±0.3	4.7±0.3	0.47uH and below 2.20uH and above	14.5	8.0	5.0

* Under 2.2μH is non-leadframe specification.

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT1265T - R47M-4SP	0.47	± 20	100	1.02	0.88	68.0	42.0
LPMT1265T - R68M-4SP	0.68	± 20		1.50	1.25	55.0	36.5
LPMT1265T - 1R0M-4SP	1.00	± 20		1.80	1.50	45.0	33.0
LPMT1265T - 1R5M-4SP	1.50	± 20		2.53	2.20	35.0	29.0
LPMT1265T - 2R2M-4SP	2.20	± 20		4.20	3.70	28.5	25.0
LPMT1265T - 3R3M-4SP	3.30	± 20		6.20	5.30	27.0	22.0
LPMT1265T - 4R7M-4SP	4.70	± 20		8.00	6.80	25.0	20.0
LPMT1265T - 5R6M-4SP	5.60	± 20		9.80	8.30	23.0	18.0
LPMT1265T - 6R8M-4SP	6.80	± 20		11.3	9.80	21.0	16.5
LPMT1265T - 8R2M-4SP	8.20	± 20		13.8	12.0	19.0	15.0
LPMT1265T - 100M-4SP	10.0	± 20		15.8	13.0	17.0	13.0
LPMT1265T - 150M-4SP	15.0	± 20		26.0	22.0	13.5	11.0
LPMT1265T - 220M-4SP	22.0	± 20		35.0	31.0	10.0	10.0
LPMT1265T - 330M-4SP	33.0	± 20		55.0	46.0	9.0	9.0
LPMT1265T - 470M-4SP	47.0	± 20		67.0	58.0	7.6	8.0

▼ 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)