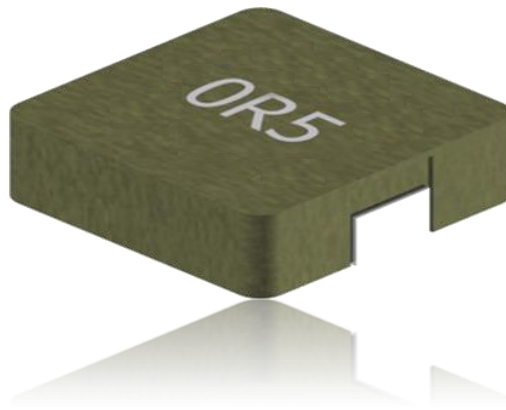


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT1260-A4 series



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Seongnam-si, Gyeonggi-do, KOREA
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ABCO ELECTRONICS CO., LTD.

■ **OPERATION TEMP.**

LPMT1260-A4 series : -55°C~+155°C(Including self-generated heat)

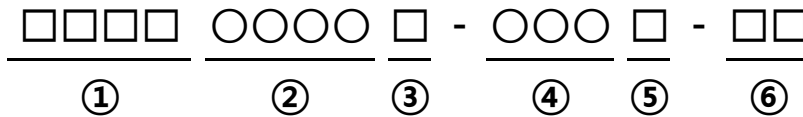
■ **FEATURES**

- 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)	
1260	13.5X12.6X5.7

③Packing	
T	TAPING
B	BULK

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

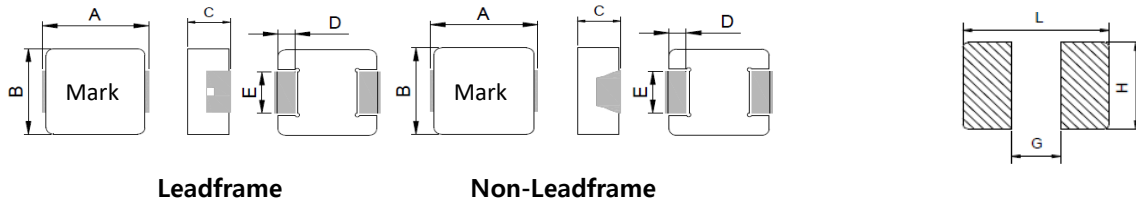
⑤Inductance Tol	
M	±20%

⑥Internal Code	
A4	

LPMT1260-A4 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)
					4.0±0.3	1.5uH			
LPMT1260-A4	13.5±0.5	12.6±0.2	5.7±0.3	2.3±0.3	4.7±0.3	0.36uH 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.
LPMT1260T - R36M-A4	0.10	± 20	100	0.80	0.65	70	60.0
LPMT1260T - 1R5M-A4	1.50	± 20		3.00	2.40	32.0	28.0
LPMT1260T - 2R2M-A4	2.20	± 20		4.30	3.70	28.0	25.0
LPMT1260T - 3R3M-A4	3.30	± 20		6.50	5.30	28.0	21.0
LPMT1260T - 4R7M-A4	4.70	± 20		8.40	7.00	23.0	19.0
LPMT1260T - 8R2M-A4	8.20	± 20		16.0	13.5	17.0	13.5
LPMT1260T - 100M-A4	10.0	± 20		18.6	15.5	16.0	12.0
LPMT1260T - 150M-A4	15.0	± 20		29.0	24.0	10.0	10.0
LPMT1260T - 220M-A4	22.0	± 20		37.5	31.2	9.0	8.0
LPMT1260T - 330M-A4	33.0	± 20		68.0	56.0	7.8	6.5
LPMT1265T - 470M-A4	47.0	± 20		88.0	76.0	6.7	5.2

▼ 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

-55°C ~ +155°C (Including self-generated heat)