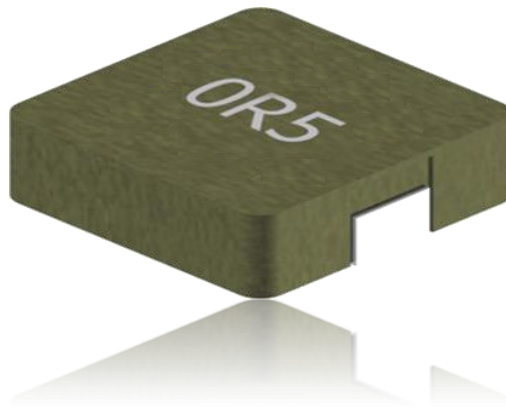


ABCO Standard Inductor

**AEC-Q200**

# POWER INDUCTOR

## LPMT2313-A4 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

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ABCO ELECTRONICS CO., LTD.

**■ OPERATION TEMP.**

LPMT2313-A4 series : -55°C~+155°C(Including self-generated heat)

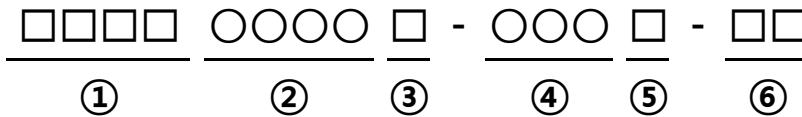
**■ FEATURES**

- 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)	
2313	23.5X22.0X12.6

③Packing	
T	TAPING
B	BULK

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

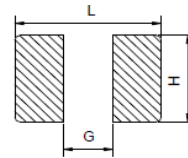
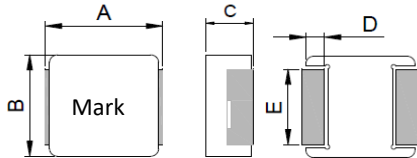
⑤Inductance Tol	
M	±20%

⑥Internal Code	
A4	

LPMT2313-A4 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT2313-A4	23.5±0.5	22.0±0.3	12.6±0.4	5.0±0.4	19.0±0.3

L(mm)	G(mm)	H(mm)
24.0	12.5	19.6

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT2313T - 1R0M-A4	1.00	± 20	100	0.95	0.80	60.0	70.0
LPMT2313T - 1R5M-A4	1.50	± 20		1.15	1.00	52.0	62.0
LPMT2313T - 2R2M-A4	2.20	± 20		1.25	1.05	48.0	58.0
LPMT2313T - 3R3M-A4	3.30	± 20		1.75	1.50	41.0	49.0
LPMT2313T - 4R7M-A4	4.70	± 20		2.20	1.90	38.0	47.0
LPMT2313T - 6R8M-A4	6.80	± 20		3.10	2.70	36.0	40.0
LPMT2313T - 100M-A4	10.0	± 20		4.15	3.80	28.0	33.0
LPMT2313T - 220M-A4	22.0	± 20		11.0	9.20	15.0	22.0
LPMT2313T - 330M-A4	33.0	± 20		15.4	13.5	12.0	19.0
LPMT2313T - 470M-A4	47.0	± 20		20.8	17.3	12.0	17.0
LPMT2313T - 680M-A4	68.0	± 20		29.5	26.2	12.0	14.0
LPMT2313T - 820M-A4	82.0	± 20		34.2	31.0	9.0	12.0
LPMT2313T - 101M-A4	100	± 20		40.0	36.0	9.0	11.0

▼ 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<sub>dc</sub>) : The value of Isat or Irms , whichever is smaller

▼ Operating Temperature Range

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