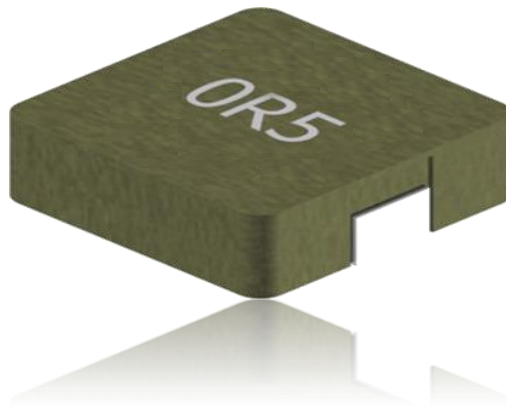


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT1040-A4HT 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.

■ **OPERATION TEMP.**

LPMT1040-A4HT series: -55°C~+180°C(Including self-generated heat)

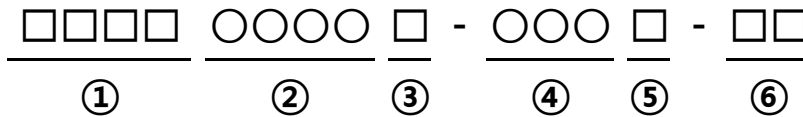
■ **FEATURES**

- 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)	
6530	7.10X6.60X2.80

③Packing	
T	TAPING
B	BULK

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

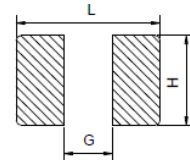
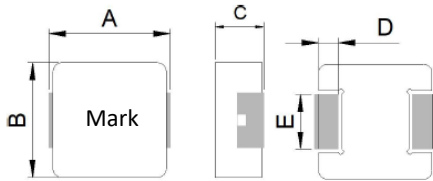
⑤Inductance Tol	
M	±20%

⑥Internal Code	
A4HT	

LPMT1040-A4HT SERIES

■ **SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN**

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT1040-A4HT	11.0±0.3	10.0±0.3	3.8±0.2	2.0±0.3	3.0±0.3

L(mm)	G(mm)	H(mm)
12.5	5.4	3.5

■ **ELECTRICAL CHARACTERISTICS**

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT6530T-1R0M-A4HT	1.00	± 20	100	3.07	2.8	29.0	27.0
LPMT6530T-1R5M-A4HT	1.50	± 20		4.5	4.2	27.0	22.0
LPMT6530T-2R2M-A4HT	2.20	± 20		7.2	6.5	21.0	18.0
LPMT6530T-3R3M-A4HT	3.30	± 20		11.8	10.2	18.0	15.0
LPMT6530T-4R7M-A4HT	4.70	± 20		15.3	14.3	15.0	13.0
LPMT6530T-5R6M-A4HT	5.60	± 20		17.5	15.5	13.0	12.0
LPMT6530T-6R8M-A4HT	6.80	± 20		22.3	20.2	11.0	10.5
LPMT6530T-100M-A4HT	10.0	± 20		33.0	29.3	9.0	8.0
LPMT6530T-150M-A4HT	15.0	± 20		50.0	45	7.6	7.0
LPMT6530T-220M-A4HT	22.0	± 20		72.0	64	6.5	6.0
LPMT6530T-330M-A4HT	33.0	± 20		117.7	110	5.3	5.0
LPMT6530T-470M-A4HT	47.0	± 20		167	145	4.5	4.0
LPMT6530T-680M-A4HT	68.0	± 20		240	210	3.5	3.5

▼ **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 ~ +180°C (Including self-generated heat)