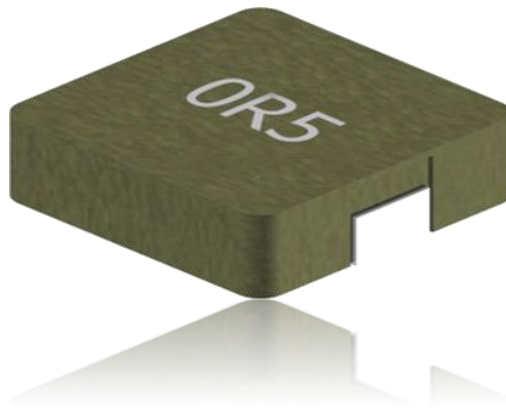


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT6530-A4HT series



31, Dunchon-daero 388 Beon-gil
Seongnam-si, Gyeonggi-do, KOREA
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Eng. Dept. TEL:82-31-730-5053
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ABCO ELECTRONICS CO., LTD.

■ **OPERATION TEMP.**

LPMT6530-A4HT series: -55°C~+180°C(Including self-generated heat)

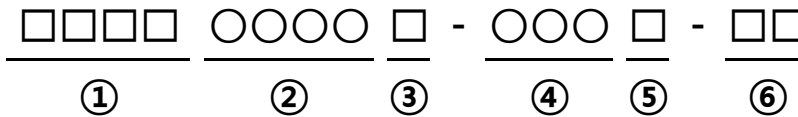
■ **FEATURES**

- 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

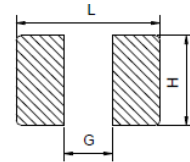
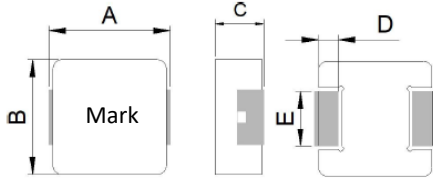
⑤Inductance Tol	
M	±20%

⑥Internal Code	
A4HT	

LPMT6530-A4HT SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT6530-A4HT	7.1±0.3	6.6±0.2	2.8±0.2	1.6±0.3	3.0±0.2

L(mm)	G(mm)	H(mm)
8.0	3.7	3.4

■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc(mΩ)		Isat(A)	Irms(A)
				Max.	Typ.	Typ.	Typ.
LPMT6530T-R47M-A4HT	0.47	± 20	100	4.0	3.5	21.0	20.0
LPMT6530T-R56M-A4HT	0.56	± 20		4.8	4.2	20.0	19.0
LPMT6530T-R68M-A4HT	0.68	± 20		5.6	4.8	19.0	17.0
LPMT6530T-R82M-A4HT	0.82	± 20		6.8	5.7	18.0	16.0
LPMT6530T-1R0M-A4HT	1.00	± 20		8.0	6.6	16.0	15.0
LPMT6530T-1R5M-A4HT	1.50	± 20		13.2	11.2	14.0	13.0
LPMT6530T-2R2M-A4HT	2.20	± 20		15.8	13.7	13.0	11.0
LPMT6530T-3R3M-A4HT	3.30	± 20		25.8	21.5	9.5	9.0
LPMT6530T-4R7M-A4HT	4.70	± 20		37.0	32.0	8.5	7.0
LPMT6530T-5R6M-A4HT	5.60	± 20		42.0	36.0	7.2	6.5
LPMT6530T-6R8M-A4HT	6.80	± 20		50.0	43.0	6.5	6.0
LPMT6530T-100M-A4HT	10.0	± 20		68.0	62.0	5.0	5.0
LPMT6530T-150M-A4HT	15.0	± 20		114	95	3.2	4.1
LPMT6530T-220M-A4HT	22.0	± 20		168	140	3.0	3.4

▼ 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)