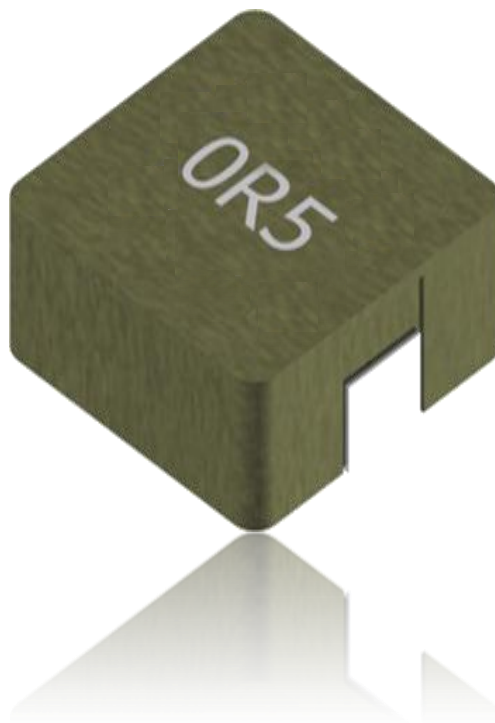


ABCO Standard Inductor

**AEC-Q200**

# POWER INDUCTOR

## LPMT1265-A1 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.**

LPMT-A1 Series : -55°C~+125°C(Including self-generated heat)

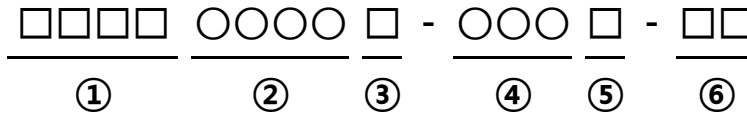
■ **FEATURES**

- 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)	
1265	13.5X12.5X6.2

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R22	0.22μH
1R0	1.0μH
100	10μH
101	100μH

⑤Inductance Tol	
M	±20%
N	±30%

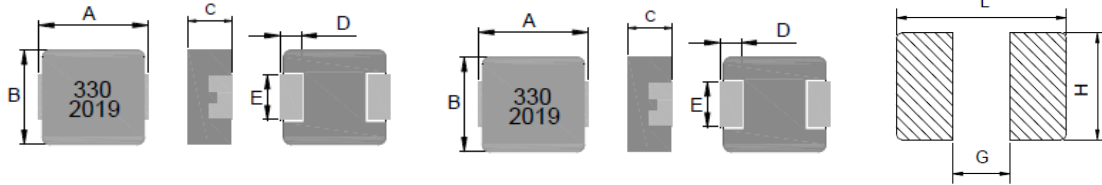
⑥Internal Code
A1

**LPMT1265-A1 SERIES**

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

Unit:mm

**LPMT1265-A1 SERIES**



Leadframe

Non-Leadframe

Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT1265-A1	13.5±0.5	12.5±0.3	6.2±0.3	2.3±0.3	4.7±0.3

L(mm)	G(mm)	H(mm)
14.2	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 - R22M-A1	0.22	± 20	100	0.60	0.47	112	53.0
LPMT1265T - R33M-A1	0.33	± 20		0.80	0.65	68.0	46.0
LPMT1265T - R36M-A1	0.36	± 20		0.90	0.70	66.0	45.0
LPMT1265T - R47M-A1	0.47	± 20		1.20	0.90	63.0	41.0
LPMT1265T - R56M-A1	0.56	± 20		1.20	1.05	58.0	37.0
LPMT1265T - R68M-A1	0.68	± 20		1.50	1.25	55.0	35.0
LPMT1265T - R82M-A1	0.82	± 20		1.90	1.50	50.0	33.0
LPMT1265T - 1R0M-A1	1.00	± 20		2.30	1.70	48.0	30.0
LPMT1265T - 1R5M-A1	1.50	± 20		3.00	2.50	45.0	27.0
LPMT1265T - 2R2M-A1	2.20	± 20		4.20	3.80	37.0	22.0
LPMT1265T - 3R3M-A1	3.30	± 20		6.80	5.70	30.0	18.0
LPMT1265T - 4R7M-A1	4.70	± 20		8.40	7.00	28.0	13.5
LPMT1265T - 5R6M-A1	5.60	± 20		10.0	8.50	23.0	12.5
LPMT1265T - 6R8M-A1	6.80	± 20		11.5	9.50	18.0	11.5
LPMT1265T - 8R2M-A1	8.20	± 20		15.5	12.0	16.0	10.5
LPMT1265T - 100M-A1	10.0	± 20		16.5	13.2	15.5	10.0
LPMT1265T - 150M-A1	15.0	± 20		28.0	23.2	13.0	9.0
LPMT1265T - 220M-A1	22.0	± 20		37.0	32.5	12.0	9.0
LPMT1265T - 330M-A1	33.0	± 20		58.0	48.0	11.0	8.0
LPMT1265T - 470M-A1	47.0	± 20		90.0	76.0	9.5	6.5
LPMT1265T - 680M-A1	68.0	± 20	130	110	7.8	4.8	
LPMT1265T - 101M-A1	100	± 20	165	145	5.5	4.2	

▼ **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(Idc) : The value of Isat or Irms , whichever is smaller

▼ **Operating Temperature Range**

-55°C ~ +125°C (Including self-generated heat)