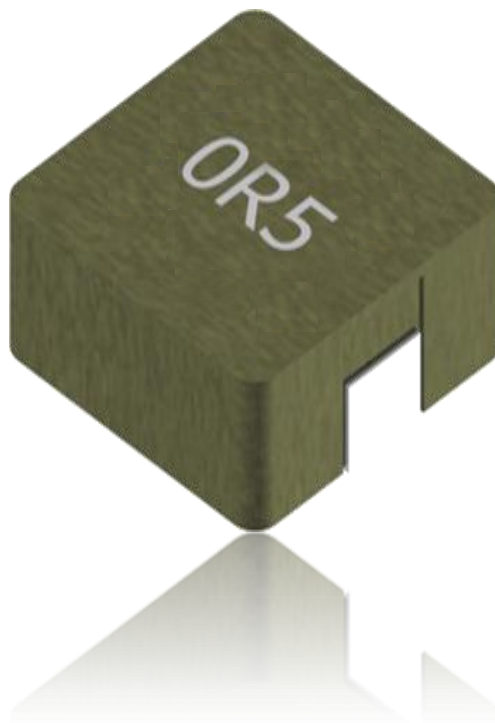


**ABCO Standard Inductor**

# **POWER INDUCTOR**

## **LPMT1040-1H 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.**

# Inductor for Car of Metal Molding type



<http://www.abco.co.kr>

## ■ OPERATION TEMP.

LPMT-1H Series : -40°C~+125°C(Including self-generated heat)

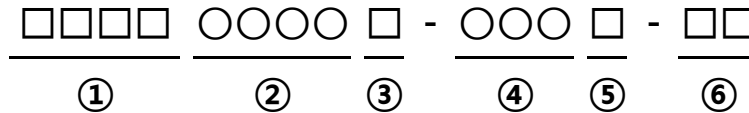
## ■ FEATURES

- 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)	
1040	11.0X10.0X3.8

③Packing	
T	TAPING
B	BULK

④Inductance Value	
R15	0.15μH
1R0	1.0μH
100	10μH

⑤Inductance Tol	
M	±20%
N	±30%

⑥Internal Code
1H

# LPMT1040-1H SERIES

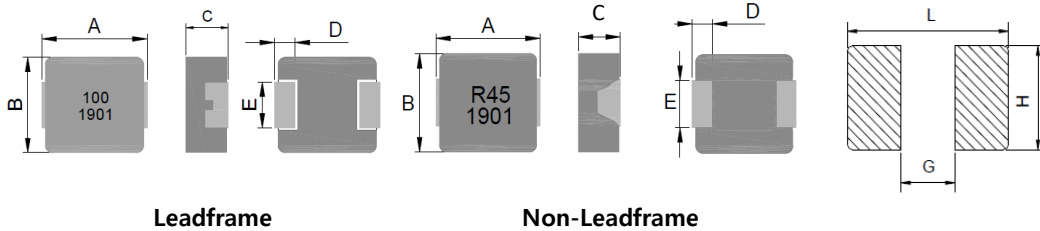


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## LPMT1040-1H SERIES

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

Unit:mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LPMT1040-1H	11.0±0.5	10.0±0.3	3.8±0.2	2.3±0.3	3.0±0.3

L(mm)	G(mm)	H(mm)
13.6	5.4	3.5

\* 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.
LPMT1040T - R15N-1H	0.15	± 30	100	0.60	0.50	75.0	43.0
LPMT1040T - R22M-1H	0.22	± 20		1.00	0.80	60.0	35.0
LPMT1040T - R33M-1H	0.33	± 20		1.20	1.00	60.0	31.0
LPMT1040T - R36M-1H	0.36	± 20		1.20	1.05	60.0	31.0
LPMT1040T - R47M-1H	0.47	± 20		1.50	1.30	43.0	28.0
LPMT1040T - R56M-1H	0.56	± 20		1.80	1.60	40.0	25.0
LPMT1040T - R68M-1H	0.68	± 20		2.70	2.40	39.0	22.0
LPMT1040T - 1R0M-1H	1.00	± 20		3.30	3.00	36.0	18.0
LPMT1040T - 1R5M-1H	1.50	± 20		4.60	4.00	33.0	16.0
LPMT1040T - 2R2M-1H	2.20	± 20		7.00	6.50	27.0	12.0
LPMT1040T - 3R3M-1H	3.30	± 20		11.8	10.8	20.0	11.0
LPMT1040T - 4R7M-1H	4.70	± 20		15.5	15.0	17.0	10.0
LPMT1040T - 5R6M-1H	5.60	± 20		19.3	17.0	14.0	9.0
LPMT1040T - 6R8M-1H	6.80	± 20		23.3	17.5	13.5	8.5
LPMT1040T - 8R2M-1H	8.20	± 20		22.5	20.0	12.5	8.0
LPMT1040T - 100M-1H	10.0	± 20		30.0	27.0	12.0	7.5
LPMT1040T - 150M-1H	15.0	± 20		45.0	40.0	10.0	6.25
LPMT1040T - 220M-1H	22.0	± 20		74.0	64.0	7.0	5.0
LPMT1040T - 330M-1H	33.0	± 20		112	92.0	5.0	3.5
LPMT1040T - 470M-1H	47.0	± 20		167	145	4.5	3.0

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

#### ▼ Operating Temperature Range

-40°C ~ +125°C (Including self-generated heat)