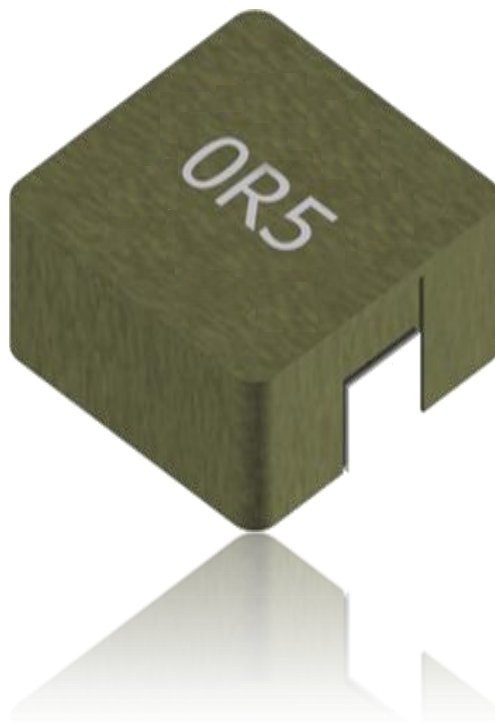


ABCO Standard Inductor

POWER INDUCTOR

LPMT6530-1H 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

ABCO ELECTRONICS CO., LTD.

Inductor for Car of Metal Molding type



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

■ OPERATION TEMP.

LPMT6530-1H Series : -40~+125°C(Including self-generated heat)

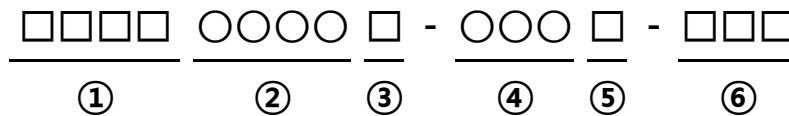
■ FEATURES

- 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) | |
|-------------------|-------------|
| 6530 | 7.3X6.6X2.8 |

| ③Packing | |
|----------|--------|
| T | TAPING |
| B | BULK |

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

| ⑤Inductance Tol | |
|-----------------|------|
| N | ±30% |
| M | ±20% |

| ⑥Internal Code | |
|----------------|--|
| 1H | |

LPMT6530-1H SERIES

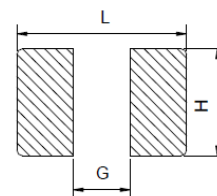
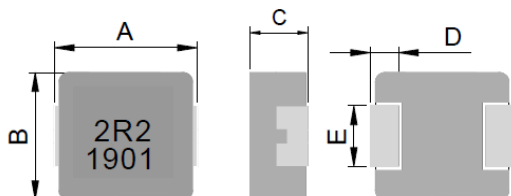


http://www.abco.co.kr

LPMT6530-1H SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



| Series | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) |
|-------------|---------|---------|---------|---------|---------|
| LPMT6530-1H | 7.3±0.3 | 6.6±0.3 | 2.8±0.2 | 1.8±0.3 | 3.0±0.3 |

| L(mm) | G(mm) | H(mm) |
|-------|-------|-------|
| 8.4 | 2.5 | 3.5 |

■ ELECTRICAL CHARACTERISTICS

| Ordering code | Inductance [μH] | Tolerance (%) | Freq. (kHz) | Rdc(mΩ) | | Isat(A) | Irms(A) |
|---------------------|--------------------|------------------|----------------|---------|------|---------|---------|
| | | | | Max. | Typ. | Typ. | Typ. |
| LPMT6530T - R10N-1H | 0.10 | ± 30 | 100 | 1.7 | 1.2 | 60.0 | 32.5 |
| LPMT6530T - R22N-1H | 0.22 | ± 30 | | 2.8 | 2.1 | 40.0 | 23.0 |
| LPMT6530T - R33M-1H | 0.33 | ± 20 | | 3.9 | 3.5 | 32.0 | 20.0 |
| LPMT6530T - R36M-1H | 0.36 | ± 20 | | 4.2 | 3.6 | 32.0 | 19.0 |
| LPMT6530T - R47M-1H | 0.47 | ± 20 | | 4.2 | 4.0 | 26.0 | 17.5 |
| LPMT6530T - R56M-1H | 0.56 | ± 20 | | 5.0 | 4.7 | 25.5 | 16.5 |
| LPMT6530T - R68M-1H | 0.68 | ± 20 | | 5.5 | 4.8 | 25.0 | 15.5 |
| LPMT6530T - R82M-1H | 0.82 | ± 20 | | 8.0 | 6.7 | 24.0 | 13.0 |
| LPMT6530T - 1R0M-1H | 1.00 | ± 20 | | 10.0 | 8.3 | 22.0 | 11.0 |
| LPMT6530T - 1R5M-1H | 1.50 | ± 20 | | 15.0 | 13.0 | 18.0 | 9.00 |
| LPMT6530T - 2R2M-1H | 2.20 | ± 20 | | 20.0 | 18.0 | 14.0 | 8.00 |
| LPMT6530T - 3R3M-1H | 3.30 | ± 20 | | 30.0 | 28.0 | 13.5 | 6.00 |
| LPMT6530T - 4R7M-1H | 4.70 | ± 20 | | 40.0 | 37.0 | 10.0 | 5.50 |
| LPMT6530T - 5R6M-1H | 5.60 | ± 20 | | 48.0 | 43.0 | 9.0 | 5.00 |
| LPMT6530T - 6R8M-1H | 6.80 | ± 20 | | 60.0 | 54.0 | 8.0 | 4.50 |
| LPMT6530T - 8R2M-1H | 8.20 | ± 20 | | 68.0 | 64.0 | 7.5 | 4.00 |
| LPMT6530T - 100M-1H | 10.0 | ± 20 | | 85.0 | 75.0 | 6.0 | 3.50 |
| LPMT6530T - 150M-1H | 15.0 | ± 20 | | 123 | 107 | 5.5 | 3.30 |
| LPMT6530T - 220M-1H | 22.0 | ± 20 | | 190 | 165 | 3.5 | 2.00 |

▼ 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%
Chroma3302 LCR meter + Chroma1320 Bias Current Source
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40°C
Chroma3302 LCR meter + Chroma1320 Bias Current Source
- ※ Rated DC current(Idc) : The value of Isat or Irms , whichever is smaller

▼ Operating Temperature Range

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