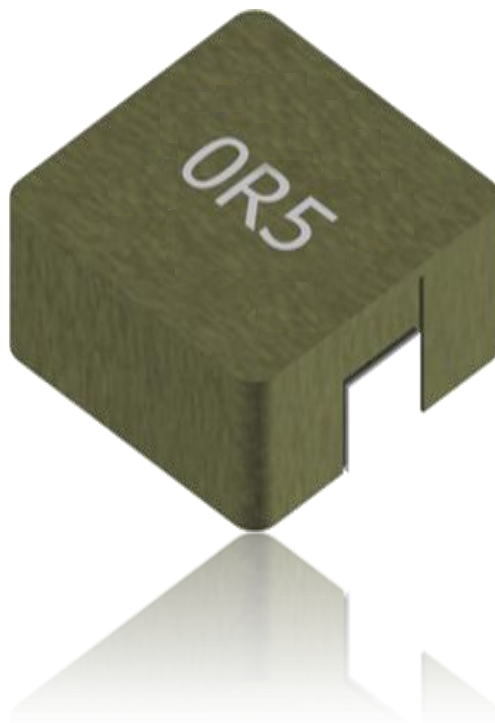


ABCO Standard Inductor

POWER INDUCTOR

LPMT1265-1HP 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.

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

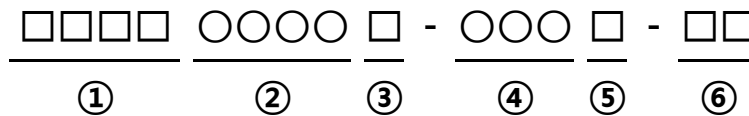
■ FEATURES

- 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) | |
|-------------------|---------------|
| 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 |
|----------------|
| 1HP |

LPMT1265-1HP SERIES



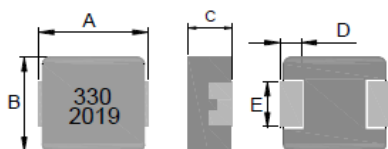
http://www.abco.co.kr

LPMT1265-1HP SERIES

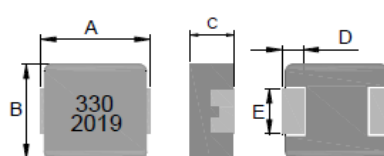
■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm

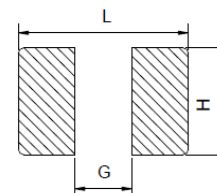
LPMT1265-1HP SERIES



Leadframe



Non-Leadframe



| Series | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) |
|--------------|----------|----------|---------|---------|---------|
| LPMT1265-1HP | 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-1HP | 0.22 | ± 20 | 100 | 0.60 | 0.47 | 112 | 53.0 |
| LPMT1265T - R33M-1HP | 0.33 | ± 20 | | 0.80 | 0.65 | 68.0 | 46.0 |
| LPMT1265T - R36M-1HP | 0.36 | ± 20 | | 0.90 | 0.70 | 66.0 | 45.0 |
| LPMT1265T - R47M-1HP | 0.47 | ± 20 | | 1.20 | 0.90 | 63.0 | 41.0 |
| LPMT1265T - R56M-1HP | 0.56 | ± 20 | | 1.20 | 1.05 | 58.0 | 37.0 |
| LPMT1265T - R68M-1HP | 0.68 | ± 20 | | 1.50 | 1.25 | 55.0 | 35.0 |
| LPMT1265T - R82M-1HP | 0.82 | ± 20 | | 1.90 | 1.50 | 50.0 | 33.0 |
| LPMT1265T - 1R0M-1HP | 1.00 | ± 20 | | 2.30 | 1.70 | 48.0 | 30.0 |
| LPMT1265T - 1R5M-1HP | 1.50 | ± 20 | | 3.00 | 2.50 | 45.0 | 27.0 |
| LPMT1265T - 2R2M-1HP | 2.20 | ± 20 | | 4.20 | 3.80 | 37.0 | 22.0 |
| LPMT1265T - 3R3M-1HP | 3.30 | ± 20 | | 6.80 | 5.70 | 30.0 | 18.0 |
| LPMT1265T - 4R7M-1HP | 4.70 | ± 20 | | 8.40 | 7.00 | 28.0 | 13.5 |
| LPMT1265T - 5R6M-1HP | 5.60 | ± 20 | | 10.0 | 8.50 | 23.0 | 12.5 |
| LPMT1265T - 6R8M-1HP | 6.80 | ± 20 | | 11.5 | 9.50 | 18.0 | 11.5 |
| LPMT1265T - 8R2M-1HP | 8.20 | ± 20 | | 15.5 | 12.0 | 16.0 | 10.5 |
| LPMT1265T - 100M-1HP | 10.0 | ± 20 | | 16.5 | 13.2 | 15.5 | 10.0 |
| LPMT1265T - 150M-1HP | 15.0 | ± 20 | | 28.0 | 23.2 | 13.0 | 9.0 |
| LPMT1265T - 220M-1HP | 22.0 | ± 20 | | 37.0 | 32.5 | 12.0 | 9.0 |
| LPMT1265T - 330M-1HP | 33.0 | ± 20 | | 58.0 | 48.0 | 11.0 | 8.0 |
| LPMT1265T - 470M-1HP | 47.0 | ± 20 | | 90.0 | 76.0 | 9.5 | 6.5 |
| LPMT1265T - 680M-1HP | 68.0 | ± 20 | 130 | 110 | 7.8 | 4.8 | |
| LPMT1265T - 101M-1HP | 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

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