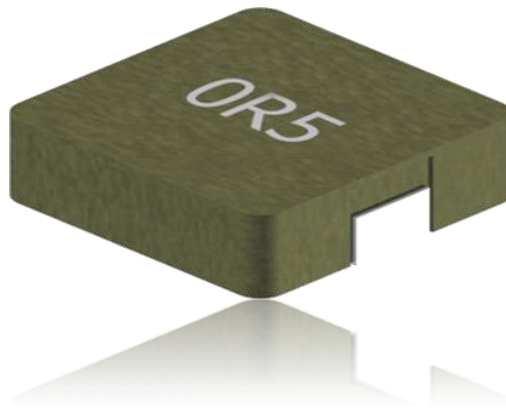


ABCO Standard Inductor

AEC-Q200

POWER INDUCTOR

LPMT1265-A4 series



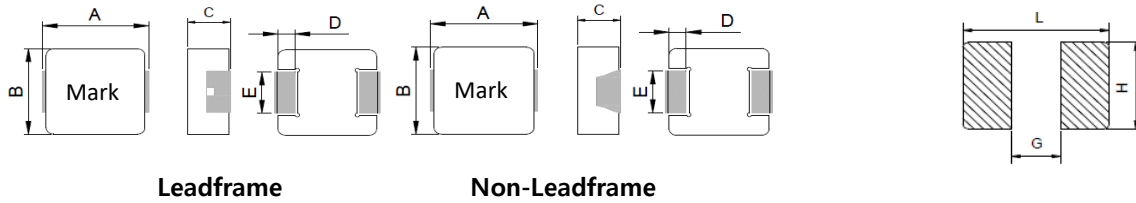
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ABCO ELECTRONICS CO., LTD.

LPMT1265-A4 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



| Series | A(mm) | B(mm) | C(mm) | D(mm) | *E(mm) | | L(mm) | G(mm) | H(mm) |
|-------------|----------|----------|---------|---------|---------|--------------------------------------|-------|-------|-------|
| | | | | | 4.0±0.3 | 0.68~1.5uH | | | |
| LPMT1265-A4 | 13.5±0.5 | 12.6±0.2 | 6.2±0.3 | 2.3±0.3 | 4.7±0.3 | 0.47uH and below 2.20uH and above | 14.5 | 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 - R47M-A4 | 0.47 | ± 20 | 100 | 1.02 | 0.88 | 68.0 | 42.0 |
| LPMT1265T - R68M-A4 | 0.68 | ± 20 | | 1.50 | 1.25 | 55.0 | 36.5 |
| LPMT1265T - 1R0M-A4 | 1.00 | ± 20 | | 1.80 | 1.50 | 45.0 | 33.0 |
| LPMT1265T - 1R5M-A4 | 1.50 | ± 20 | | 2.53 | 2.20 | 35.0 | 29.0 |
| LPMT1265T - 2R2M-A4 | 2.20 | ± 20 | | 4.20 | 3.70 | 28.5 | 25.0 |
| LPMT1265T - 3R3M-A4 | 3.30 | ± 20 | | 6.20 | 5.30 | 27.0 | 22.0 |
| LPMT1265T - 4R7M-A4 | 4.70 | ± 20 | | 8.00 | 6.80 | 25.0 | 20.0 |
| LPMT1265T - 5R6M-A4 | 5.60 | ± 20 | | 9.80 | 8.30 | 23.0 | 18.0 |
| LPMT1265T - 6R8M-A4 | 6.80 | ± 20 | | 11.3 | 9.80 | 21.0 | 16.5 |
| LPMT1265T - 8R2M-A4 | 8.20 | ± 20 | | 13.8 | 12.0 | 19.0 | 15.0 |
| LPMT1265T - 100M-A4 | 10.0 | ± 20 | | 15.8 | 13.0 | 17.0 | 13.0 |
| LPMT1265T - 150M-A4 | 15.0 | ± 20 | | 26.0 | 22.0 | 13.5 | 11.0 |
| LPMT1265T - 220M-A4 | 22.0 | ± 20 | | 35.0 | 31.0 | 10.0 | 10.0 |
| LPMT1265T - 330M-A4 | 33.0 | ± 20 | | 55.0 | 46.0 | 9.0 | 9.0 |
| LPMT1265T - 470M-A4 | 47.0 | ± 20 | | 67.0 | 58.0 | 7.6 | 8.0 |

▼ 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(I_{dc}) : The value of Isat or Irms , whichever is smaller

▼ Operating Temperature Range

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