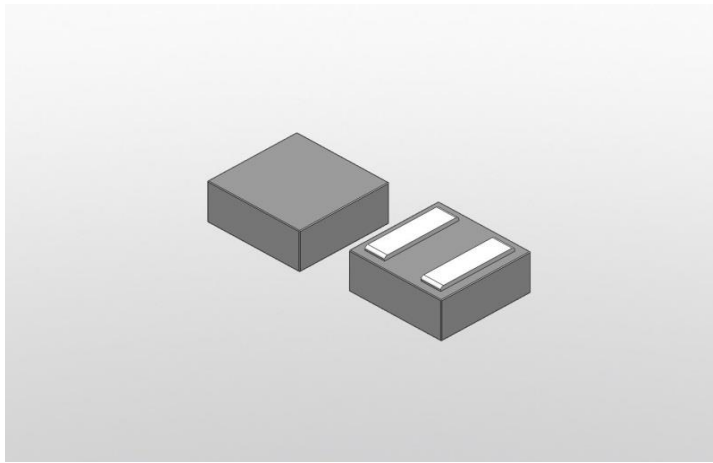


**ABCO Standard Inductor**

# **POWER INDUCTOR**

## **LPMT6560-9LO 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:82-31-730-5034**  
**FAX:82-31-730-5132**

---

**ABCO ELECTRONICS CO., LTD.**



# LPMT6560-9LO SERIES

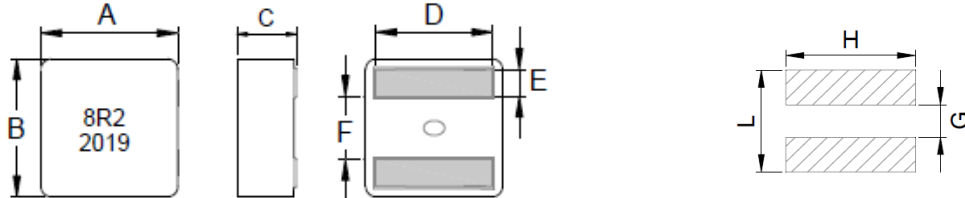


http://www.abco.co.kr

## LPMT6560-9LO SERIES

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

Unit:mm



| Series       | A(mm)     | B(mm)     | C(mm)     | D(mm)     | E(mm)     | F(mm)     |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| LPMT6560-9LO | 7.20±0.20 | 6.90±0.20 | 5.80±0.20 | 5.30±0.30 | 1.40±0.20 | 2.60±0.25 |

| L(mm) | G(mm) | H(mm) |
|-------|-------|-------|
| 5.60  | 2.50  | 5.60  |

### ■ ELECTRICAL CHARACTERISTICS

| Ordering code        | Inductance<br>[μH] | Tolerance<br>(%) | Freq.<br>(kHz) | Rdc(mΩ) |      | Isat(A) | Irms(A) |
|----------------------|--------------------|------------------|----------------|---------|------|---------|---------|
|                      |                    |                  |                | Max.    | Typ. | Typ.    | Typ.    |
| LPMT6560T - 1R0M-9LO | 1.00               | ± 20             | 100            | 4.29    | 3.9  | 18.0    | 19.0    |
| LPMT6560T - 1R5M-9LO | 1.50               | ± 20             |                | 5.61    | 5.1  | 16.0    | 16.0    |
| LPMT6560T - 2R2M-9LO | 2.20               | ± 20             |                | 7.80    | 7.0  | 14.0    | 14.0    |
| LPMT6560T - 3R3M-9LO | 3.30               | ± 20             |                | 12.1    | 11.0 | 11.5    | 12.0    |
| LPMT6560T - 4R7M-9LO | 4.70               | ± 20             |                | 14.4    | 13.1 | 10.5    | 11.0    |
| LPMT6560T - 5R6M-9LO | 5.60               | ± 20             |                | 15.8    | 14.3 | 10.0    | 10.0    |
| LPMT6560T - 6R8M-9LO | 6.80               | ± 20             |                | 20.8    | 18.9 | 9.2     | 9.0     |
| LPMT6560T - 8R2M-9LO | 8.20               | ± 20             |                | 24.8    | 22.5 | 8.5     | 8.0     |
| LPMT6560T - 100M-9LO | 10.0               | ± 20             |                | 29.3    | 26.6 | 7.6     | 7.0     |

#### ▼ Test Equipments

- Inductance measured : HP4284A,CH11025,CH3302,CH1320,CH1320S LCR METER(100kHz, 0.1V)
- 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
- Rated operating voltage(across inductor) 15V ref.

#### ▼ Operating Temperature Range

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