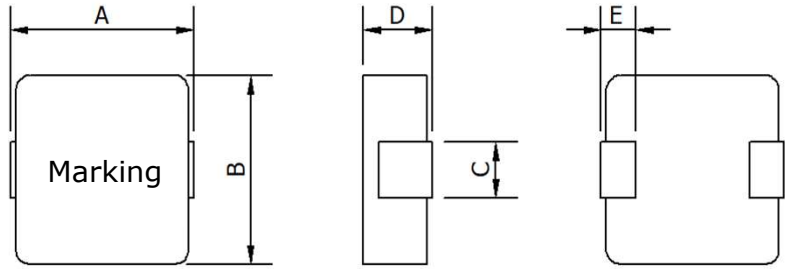


Dimensions

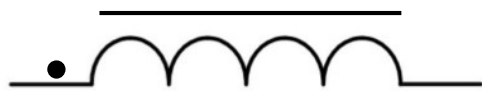


| A | B | C | D | E |
|-----------------|----------------|---------------|---------------|---------------|
| 14.0± 0.5 mm | 12.8±0.3 mm | 3.8±0.3 mm | 5.0Max. mm | 2.5±0.3 mm |

Product Marking

| | |
|-----------------|-----------------------|
| Product Marking | R47 (Inductance Code) |
|-----------------|-----------------------|

Schematic Drawing



Equivalent Circuit

Electrical Properties

| Properties | | Value | Unit | Tol. | Test Conditions |
|---------------------|------------------|-------|------|------|--|
| Inductance | L | 0.47 | μH | ±20% | 100KHz 1.0V |
| Heat Rating Current | I _{rms} | 25.0 | A | Typ. | |
| Saturation Current | I _{sat} | 45.0 | A | Typ. | L 45.0A drop 30% MAX. @ 100KHz/1.0V |
| DC Resistance | R _{DC} | 1.0 | mΩ | Typ. | |
| DC Resistance | R _{DC} | 1.2 | mΩ | Max | |

Operating temperature range: -45 to + 125 °C

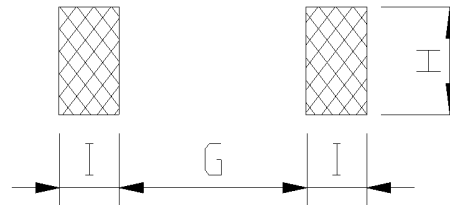
Storage condition:

Temperature Range: 0°C ~ 35°C; -40°C ~ 105°C (after PCB)

Humidity Range: 50% ~ 70% RH

Packaging: Taping : 500 Piece/reel

Recommended land pattern



| | |
|----------|---------------|
| G | 3.40 mm (REF) |
| H | 4.50 mm (REF) |
| I | 5.35 mm (REF) |