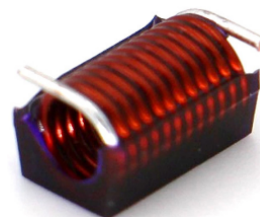
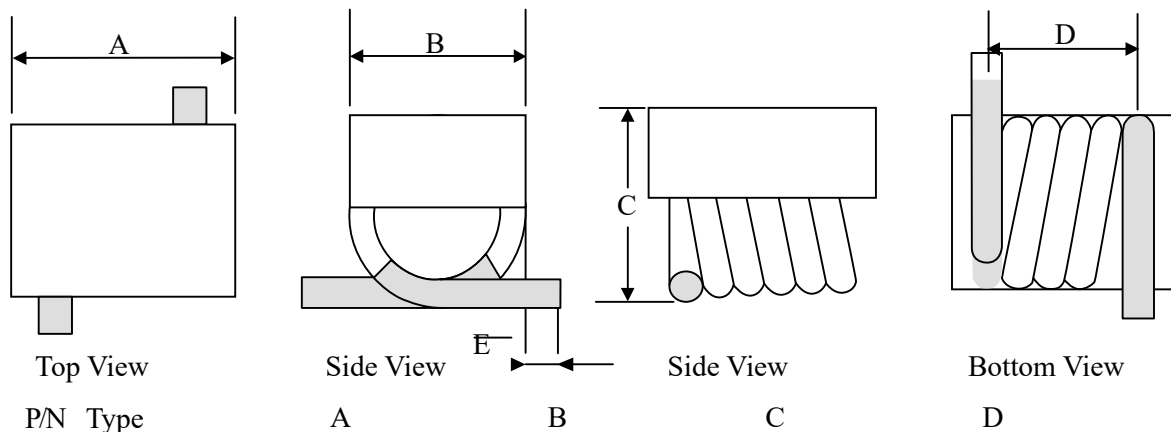


Air Core Coil Features

- Air core inductors feature high Q and current handling
- Acrylic top provides a flat surface for pick and place
- Solder coated leads ensure reliable soldering
- Operating temperature range: -40°C to $+125^{\circ}\text{C}$
- Storage temperature range: -55°C to $+145^{\circ}\text{C}$



Air Core Coil Inductor Dimensions & Configurations (Unit In mm)

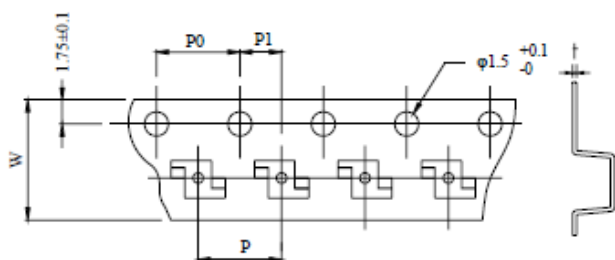


| P/N Type | A | B | C | D | E |
|-----------------|----------------|----------------|----------------|----------------|----------------|
| SCA1812H Series | 4.90 ± 0.3 | 3.80 ± 0.2 | 3.50 ± 0.2 | 4.30 ± 0.4 | 1.00 ± 0.3 |

Specification

| Part Number | (A)Max | Inductance (nH) +3% | Q(min) | Test Freq (MHz) | DCR (mΩ)Max | SRF(GHz)(min) |
|----------------|--------|------------------------|--------|--------------------|----------------|---------------|
| SCA1812H22NGTT | 3.0 | 22 | 100 | 150 | 4.2 | 3.20 |
| SCA1812H27NGTT | 3.5 | 27 | 100 | 150 | 4.0 | 2.70 |
| SCA1812H33NGTT | 3.0 | 33 | 100 | 150 | 4.8 | 2.50 |
| SCA1812H39NGTT | 3.0 | 39 | 100 | 150 | 4.4 | 2.10 |
| SCA1812H47NGTT | 3.0 | 47 | 100 | 150 | 5.6 | 2.10 |
| SCA1812H56NGTT | 3.0 | 56 | 100 | 150 | 6.2 | 1.50 |
| SCA1812H68NGTT | 2.5 | 68 | 100 | 150 | 8.2 | 1.50 |
| SCA1812H82NGTT | 2.5 | 82 | 100 | 150 | 9.4 | 1.30 |
| SCA1812HR10GTT | 1.7 | 100 | 100 | 150 | 12.3 | 1.20 |
| SCA1812HR12GTT | 1.5 | 120 | 100 | 150 | 17.3 | 1.10 |
| SCA1812HR15GTT | 1.2 | 150 | 100 | 150 | 33.0 | 0.75 |

Tape & Reel Information



| Parameter | Units | Value |
|--------------|-------|-------|
| Qty per reel | PCS | 1200 |
| Reel Size | mm | 330 |
| Tape Width | mm | 16.00 |
| P | mm | 12.00 |
| Po | mm | 4.00 |
| P1 | mm | 6.00 |

- Packing Quantity
Reel : 500 PCS / R