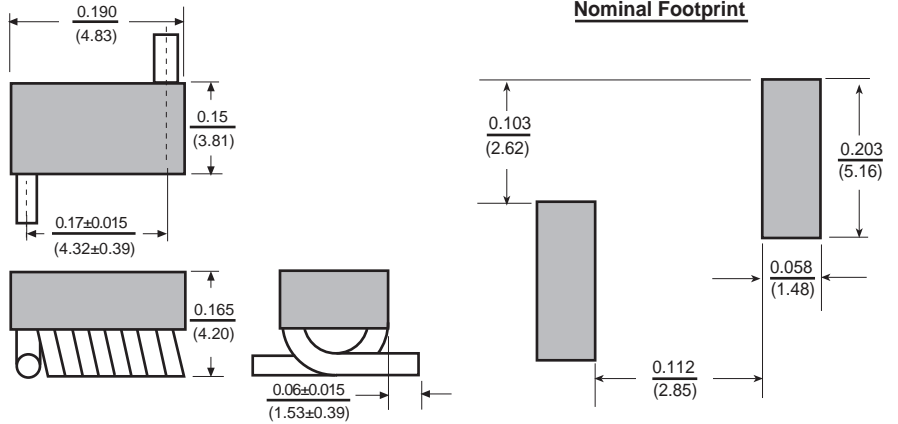




Surface Mount Air Core Inductors SMAC25

Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Features

- Excellent for high Q applications
- High SRF's for high frequency applications
- High current capability
- Flat top cap for pick and place assembly

Electrical

Impedance range: 22nH to 120nH
Tolerance: Available in 2% & 5%
Test Frequency: 150Mhz
Operating Temp: -40°C to +125°C

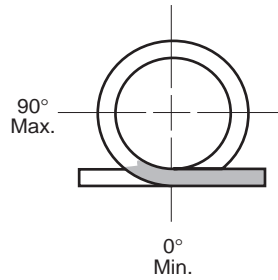
Test Equipment

(L/Q): HP4291B with HP16193
(SRF): HP8753E

Physical

Packaging: 1000 pieces per 13" reel
Marking: None

Tinned Length



| Allied Part Number | Inductance (nh) | Q Min. | Q Typ. | Test Freq. (MHz) | SRF Min. (GHz) | DCR Max. (mΩ) | IDC A (Max.) |
|--------------------|-----------------|--------|--------|------------------|----------------|---------------|--------------|
| SMAC25-22NJ-RC | 22 ± 5% | 100 | 135 | 150 | 3.2 | 4.2 | 3.0 |
| SMAC25-27NJ-RC | 27 ± 5% | 100 | 135 | 150 | 2.7 | 4.0 | 3.5 |
| SMAC25-33NJ-RC | 33 ± 5% | 100 | 130 | 150 | 2.5 | 4.8 | 3.0 |
| SMAC25-39NJ-RC | 39 ± 5% | 100 | 135 | 150 | 2.1 | 4.4 | 3.0 |
| SMAC25-47NJ-RC | 47 ± 5% | 100 | 135 | 150 | 2.1 | 5.6 | 3.0 |
| SMAC25-56NJ-RC | 56 ± 5% | 100 | 125 | 150 | 1.5 | 6.2 | 3.0 |
| SMAC25-68NJ-RC | 68 ± 5% | 100 | 120 | 150 | 1.5 | 8.2 | 2.5 |
| SMAC25-82NJ-RC | 82 ± 5% | 100 | 120 | 150 | 1.3 | 9.4 | 2.5 |
| SMAC25-100NJ-RC | 100 ± 5% | 100 | 115 | 150 | 1.2 | 12.3 | 1.7 |
| SMAC25-120NJ-RC | 120 ± 5% | 100 | 125 | 150 | 1.1 | 17.3 | 1.5 |

Available in tighter tolerances.
 All specifications subject to change without notice.