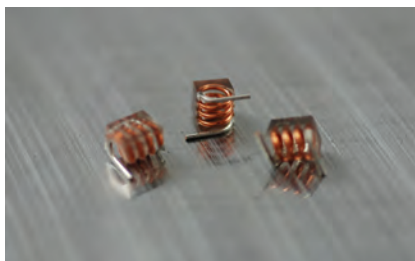




Surface Mount Air Core Inductors **SMAC25**

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

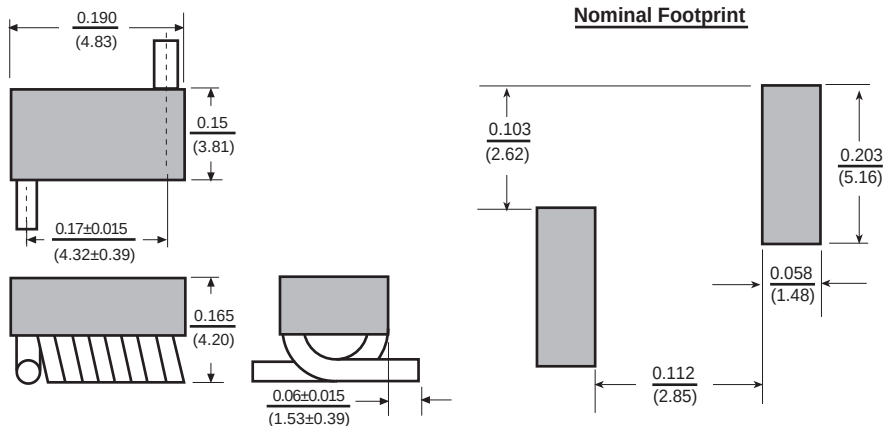
(L/Q): HP4291B with HP16193

(SRF): HP8753E

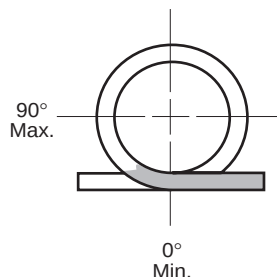
Physical

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 $\pm$ 5%	100	135	150	3.2	4.2	3.0
SMAC25-27NJ-RC	27 $\pm$ 5%	100	135	150	2.7	4.0	3.5
SMAC25-33NJ-RC	33 $\pm$ 5%	100	130	150	2.5	4.8	3.0
SMAC25-39NJ-RC	39 $\pm$ 5%	100	135	150	2.1	4.4	3.0
SMAC25-47NJ-RC	47 $\pm$ 5%	100	135	150	2.1	5.6	3.0
SMAC25-56NJ-RC	56 $\pm$ 5%	100	125	150	1.5	6.2	3.0
SMAC25-68NJ-RC	68 $\pm$ 5%	100	120	150	1.5	8.2	2.5
SMAC25-82NJ-RC	82 $\pm$ 5%	100	120	150	1.3	9.4	2.5
SMAC25-100NJ-RC	100 $\pm$ 5%	100	115	150	1.2	12.3	1.7
SMAC25-120NJ-RC	120 $\pm$ 5%	100	125	150	1.1	17.3	1.5

Available in tighter tolerances.

All specifications subject to change without notice.