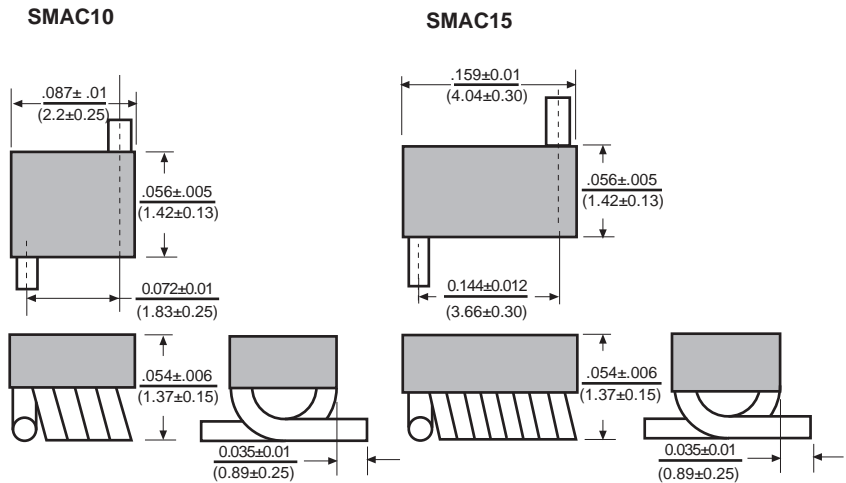


Surface Mount Air Core Inductors SMAC10 & 15

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



Features

- Small low profile air core design
- Excellent for high Q applications
- High SRF's for high frequency applications
- Available in tight tolerances
- Flat top cap for pick and place assembly

Electrical

Impedance range: 1.65nH to 12.55nH

Tolerance: 1.65nH 10% only, 2.55nH available in 5%, 3.85nH to 12.55nH available in 2%

Test Frequency: 800MHz

Operating Temp: -40°C to +125°C

Test Equipment

(L/Q): HP4291B with HP16193

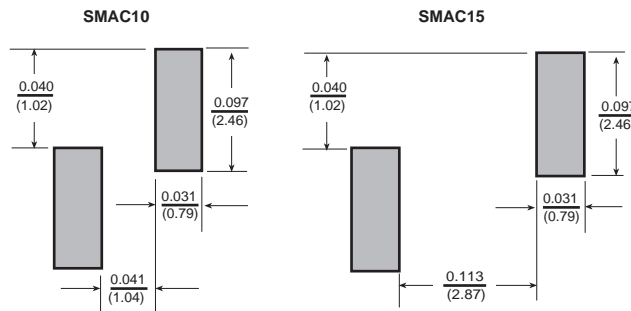
(SRF): HP8753E or HP8720D

Physical

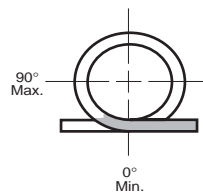
Packaging: 1000 pieces per 7" reel

Marking: None

Nominal Footprint



Tinned Length



Allied Part Number	Turns	Inductance (nh)	Q Min.	Test Freq. (MHz)	SRF Min. (GHz)	DCR Max. (mΩ)	IDC A (Max.)
SMAC10-2-RC	2	1.65 ± 10%	100	800	10.2	4.0	1.6
SMAC10-3-RC	3	2.55 ± 10%	100	800	8.2	5.0	1.6
SMAC10-4-RC	4	3.85 ± 5%	100	800	7.5	6.0	1.6
SMAC10-5-RC	5	5.45 ± 5%	100	800	7.0	8.0	1.6
SMAC15-6-RC	6	5.60 ± 5%	100	800	6.5	9.0	1.6
SMAC15-7-RC	7	7.15 ± 5%	100	800	6.0	10.0	1.6
SMAC15-8-RC	8	8.80 ± 5%	100	800	6.0	12.0	1.6
SMAC15-9-RC	9	9.85 ± 5%	100	800	5.2	13.0	1.6
SMAC15-10-RC	10	12.55 ± 5%	100	800	4.6	14.0	1.6

Available in tighter tolerances.

All specifications subject to change without notice.