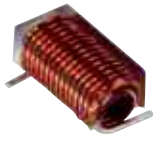


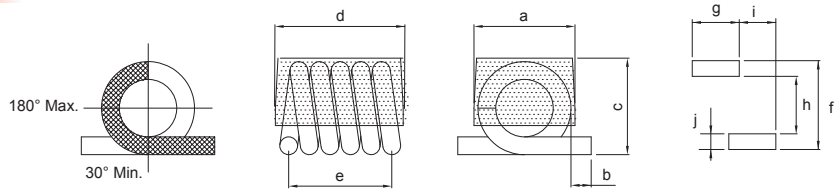
294A Series

■ SMD Air Wound Coil

MECHANICAL DIMENSIONS



294A



Recommended Patterns

unit: mm

Series	a	b	c	d	e
294A	6.35 (Max.)	1.02 ±0.39	5.9 (Max.)	10.55 (Max.)	7.98 ±0.51

LAND PATTERN

unit: mm

Series	f	g	h	i	j
294A	10.00	4.70	5.95	2.42	2.04

ELECTRICAL SPECIFICATION

Part Number	Turns	Inductance (nH)	Q (Min.)	Q (Typ.)	Test Freq (MHz)	DCR (mΩ) Max.	SRF (MHz) Min.	Rated Current (A) Max.
294A-09 □ -LRH	9	90	95	114	50	15	1140	3.5
294A-10 □ -LRH	10	111	87	104	50	15	1020	3.5
294A-11 □ -LRH	11	130	87	104	50	20	900	3.0
294A-12 □ -LRH	12	169	95	114	50	25	875	3.0
294A-13 □ -LRH	13	206	95	114	50	30	800	3.0
294A-14 □ -LRH	14	222	92	110	50	35	730	3.0
294A-15 □ -LRH	15	246	95	114	50	35	685	3.0
294A-16 □ -LRH	16	307	95	114	50	35	660	3.0
294A-17 □ -LRH	17	380	95	114	50	50	590	2.5
294A-18 □ -LRH	18	422	95	114	50	60	540	2.5
294A-19 □ -LRH	19	491	95	114	50	65	535	2.0
294A-20 □ -LRH	20	538	87	104	50	90	490	2.0

• Tolerance: G=±2% ; J=±5% ; K= ±10%

• Test Equipment:

L/Q: HP-4291B With HP16193A test fixture or equivalent.

SRF: HP8753E /HP8720D or equivalent.

RDC: Chroma 16502 or equivalent.

• Operating temperature range: -40°C to +125°C

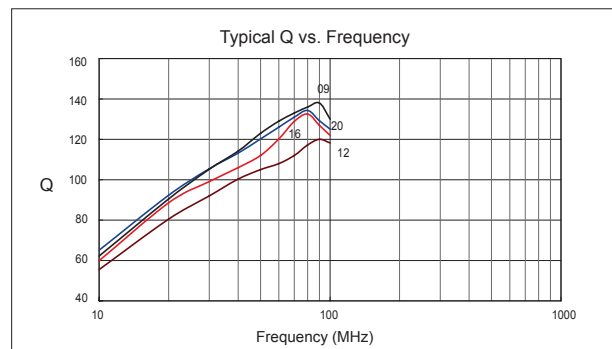
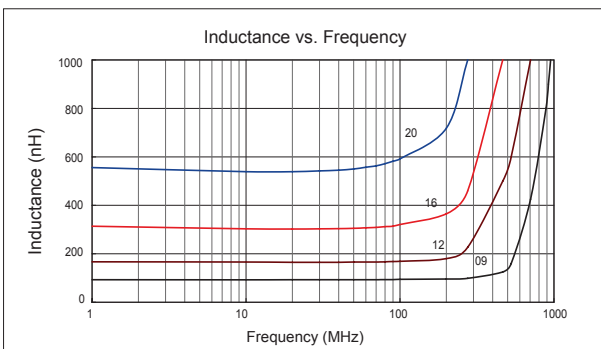
• For Temperature Rise; 15°C

• Storage Temp.: -40°C to +85°C

• MSL: Level 1

CHARACTERISTIC CURVE

294A Series



SMD

Leaded