

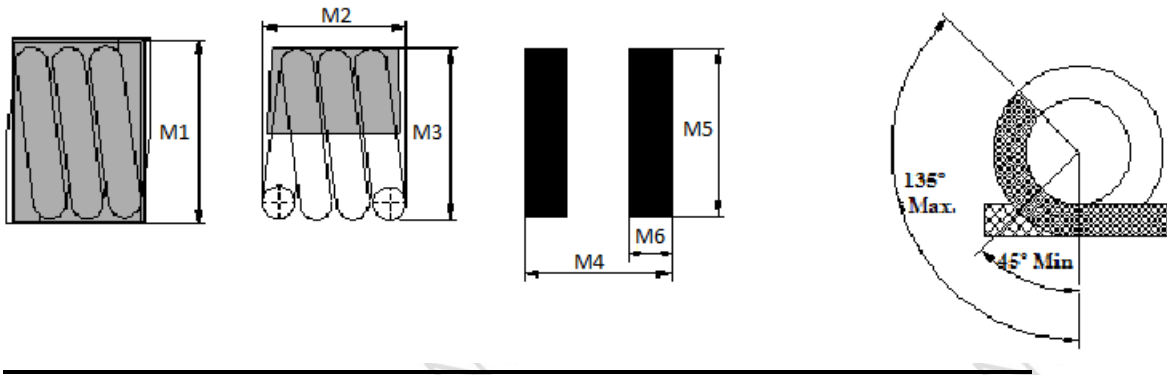


High SRF and High-Q Surface Mount Air Coils  
 Inductance: 3.7 ~ 17.5 nH  
 Current: 7 Amps (max)

**ELECTRICAL SPECIFICATIONS:**

P/N	Turns	L (nH)	Tolerance	Q (typ)	Test Freq (MHz)	DCR (mΩ)	SRF (GHz)	I <sub>RMS</sub> (A)
295A-01_	1	3.7	J	100	150	2.0	17.5	7.0
295A-02_	2	6.6	J	100	150	2.0	4.0	7.0
295A-03_	3	12.0	J	140	150	2.0	2.4	7.0
295A-04_	4	17.5	J	140	150	2.0	2.2	7.0

**DIMENSIONS: mm (inch)**



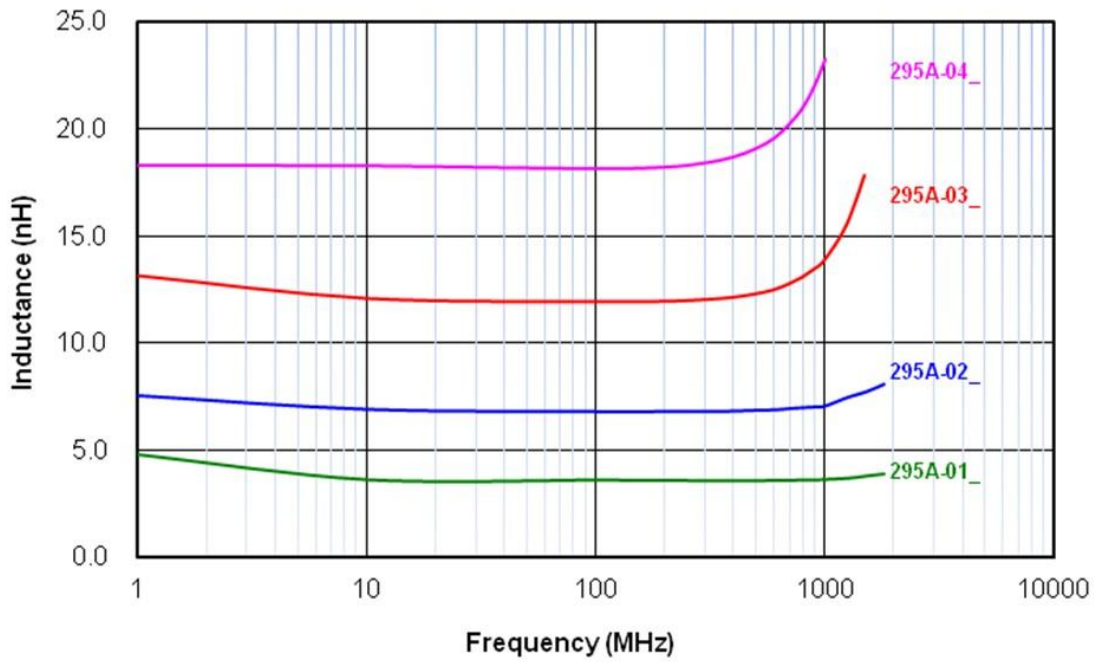
Series	M1	M2	M3	M4	M5	M6
295A-01_	5.71 (0.225)	4.70 (0.185)	5.33 (0.210)	4.572 (0.18)	5.84 (0.23)	1.524 (0.06)
295A-02_	5.46 (0.215)	4.45 (0.175)	4.95 (0.195)	4.572 (0.18)	5.84 (0.23)	1.524 (0.06)
295A-03_	5.46 (0.215)	4.96 (0.195)	4.95 (0.195)	5.207 (0.21)	5.84 (0.23)	1.524 (0.06)
295A-04_	5.59 (0.220)	5.84 (0.230)	4.95 (0.195)	5.969 (0.24)	5.84 (0.23)	1.524 (0.06)
(Tol.)	Max.	Max.	Max.	Typ.	Typ.	Typ.

**GENERAL INFORMATION:**

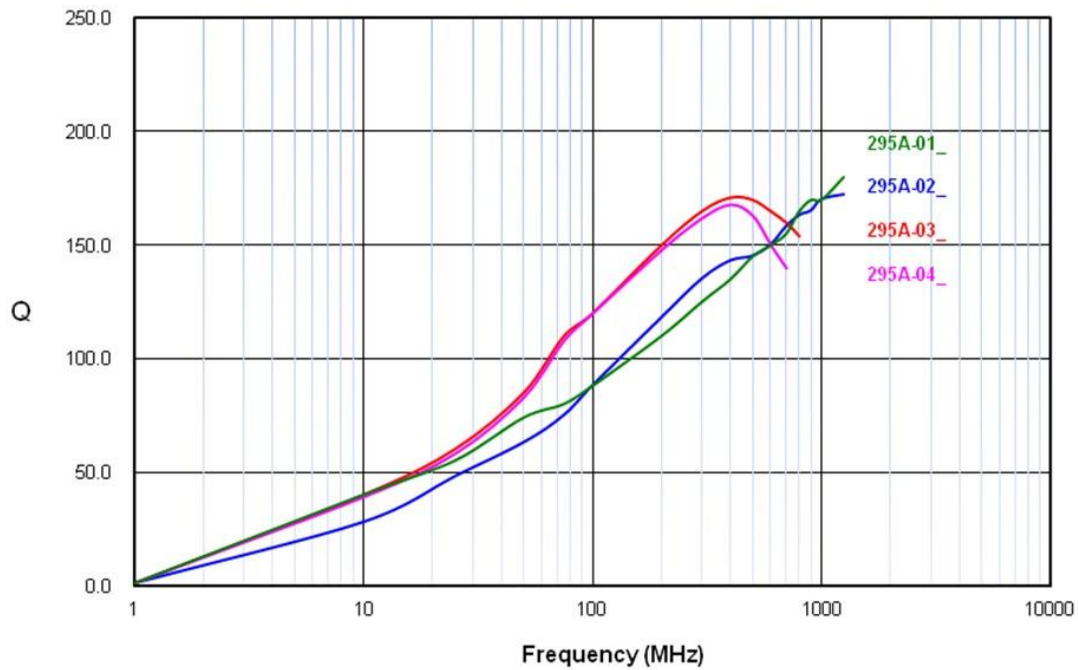
P/N: 295A-xx\_, “295A” = Series, “xx” = Number of winding turns, “\_” = Inductance tolerance (J= ± 5%)  
 Operating temperature: -40°C to +125°C, Storage temp. : -40°C to +85°C  
 Maximum Temperature Rise: 15°C (measured at 25°C ambient)  
 Inductance & Q measured with HP4291B Impedance Analyzer with HP16193 test fixture  
 SRF measured using AGILENT 5071C or equivalent  
 DCR measured using ZENTECH 502A or equivalent  
 MSL: Level 1

**ELECTRICAL CHARACTERISTICS:**

**Inductance vs. Frequency**



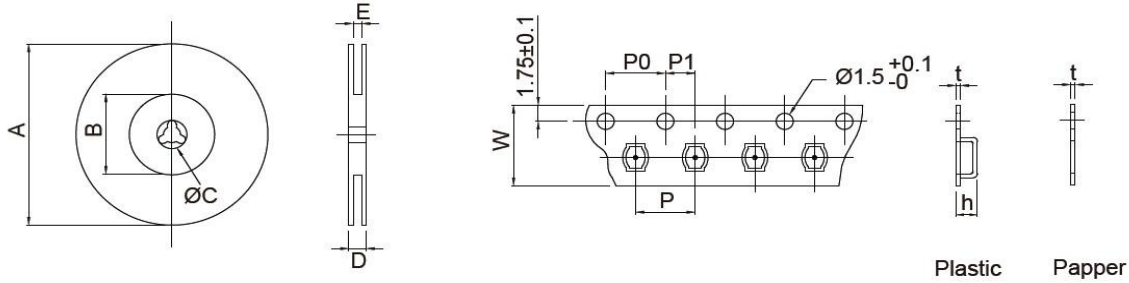
**Typical Q vs Frequency**



**PACKAGING INFORMATION:**

CARRIER TAPE REELS

TAPE DIMENSIONS (mm)



Series	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	h	t	7"	13"	Box	Carton
295A	340	100	13	18.4	12.5	12	12	4	2	5.70	0.40	---	1,000	3,000	9,000

**RoHS REFLOW SOLDERING PROFILE:**

**Typical RoHS Reflow Profile**

