

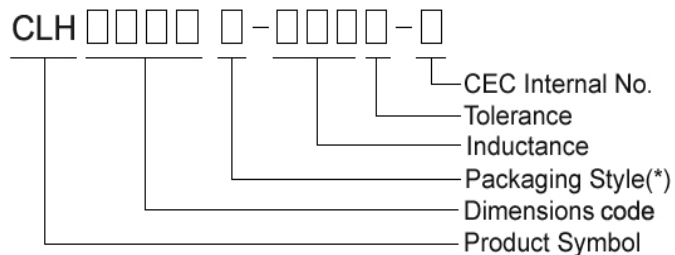
CLH Series



Features

- ROHS Compliant
- Excellent Q factor and SRF characteristics
- Cost Effective
- Small size of 1005 is suitable for small portable equipment.
- Low DCR

Product Identification



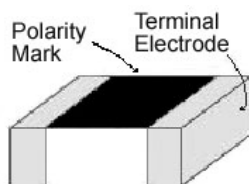
Applications

- RF Resonance and Impedance Matching Circuit
- RF and wireless communication
- Information technology equipment, computers, telecommunications, radar detectors, automotive electronics, cellular phones, pagers, PDAs, keyless remote systems.
- Use in L-C filter configurations

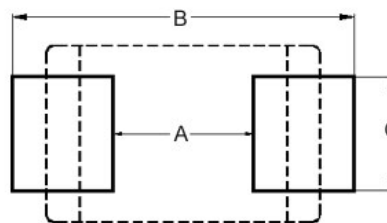
- : Tape and Reel ; B : Bulk
- Note: "-N" stands for lead-free.

Shapes and Dimensions

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Recommended Pattern



Dimensions in mm

TYPE	A	B	C	D
CLH1005-S-NP	1.0±0.10	0.5±0.10	0.5±0.10	0.25±0.10

Dimensions in mm

TYPE	A	B	C
CLH1005-S-NP	0.4	1.2 ~ 1.4	0.5

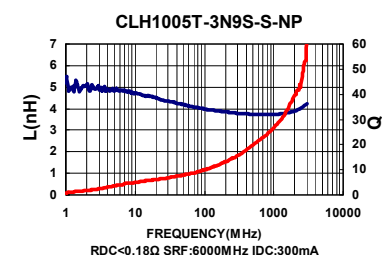
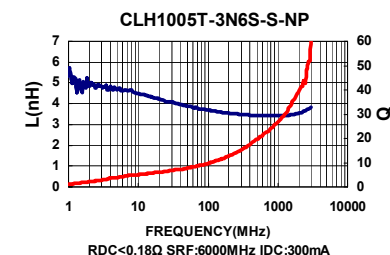
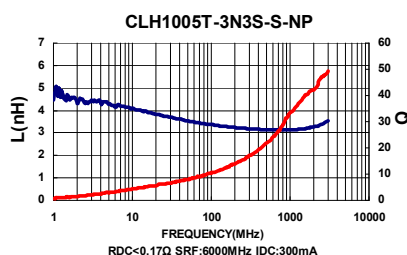
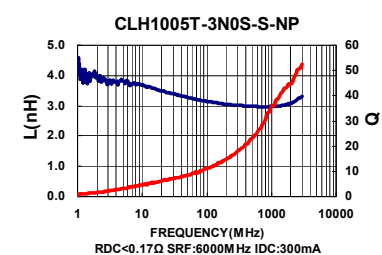
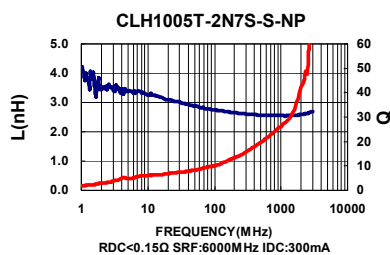
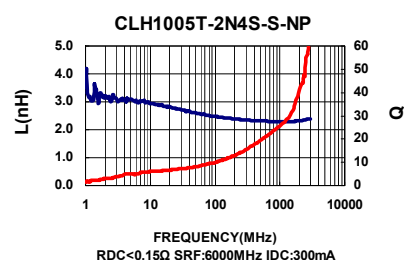
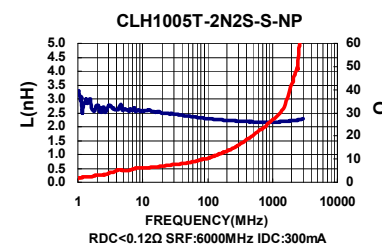
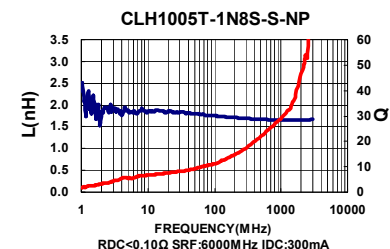
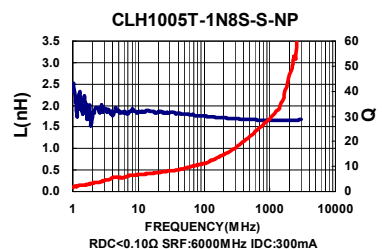
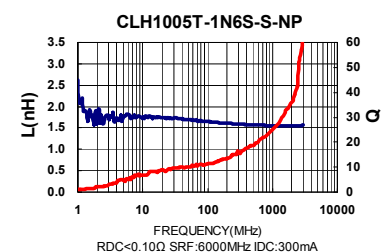
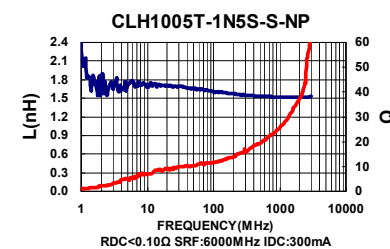
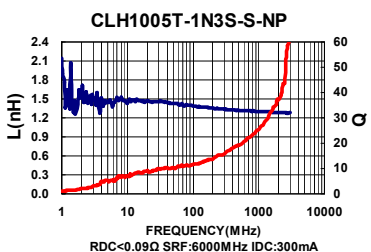
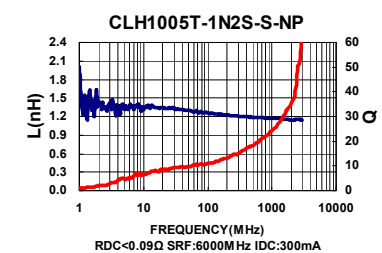
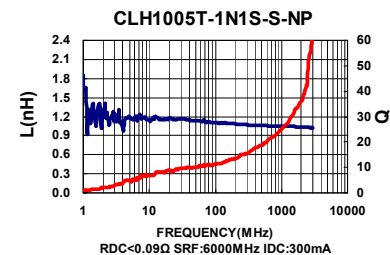
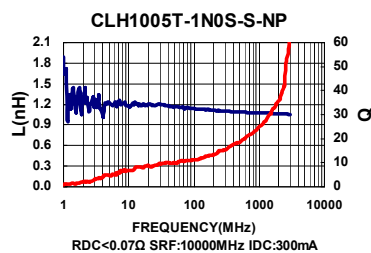
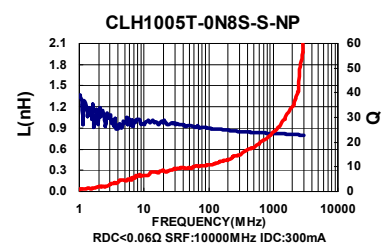
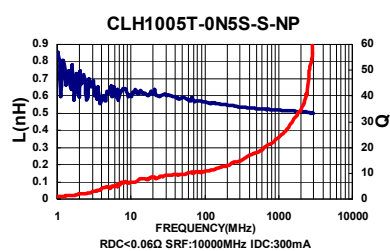
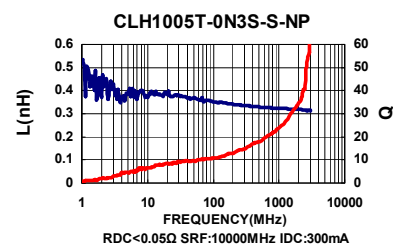
Electrical Characteristics

Part Number	Inductance (nH) at 100MHz	Tolerance	Q Min At 100MHz	SRF (MHz) Typ	DC Resistance (Ω) Max	Rated Current (mA) Max
CLH1005T-0N3□-S-NP	0.3	S	8	10000	0.05	300
CLH1005T-0N5□-S-NP	0.5	S	8	10000	0.06	300
CLH1005T-0N8□-S-NP	0.8	S	8	10000	0.06	300
CLH1005T-1N0□-S-NP	1.0	S	8	10000	0.07	300
CLH1005T-1N1□-S-NP	1.1	S	8	6000	0.09	300
CLH1005T-1N2□-S-NP	1.2	S	8	6000	0.09	300
CLH1005T-1N3□-S-NP	1.3	S	8	6000	0.09	300
CLH1005T-1N5□-S-NP	1.5	S	8	6000	0.10	300
CLH1005T-1N6□-S-NP	1.6	S	8	6000	0.10	300
CLH1005T-1N8□-S-NP	1.8	S	8	6000	0.10	300
CLH1005T-2N0□-S-NP	2.0	S	8	6000	0.10	300
CLH1005T-2N2□-S-NP	2.2	S	8	6000	0.12	300
CLH1005T-2N4□-S-NP	2.4	S	8	6000	0.15	300
CLH1005T-2N7□-S-NP	2.7	S	8	6000	0.15	300
CLH1005T-3N0□-S-NP	3.0	S	8	6000	0.17	300
CLH1005T-3N3□-S-NP	3.3	S	8	6000	0.17	300
CLH1005T-3N6□-S-NP	3.6	S	8	6000	0.18	300
CLH1005T-3N9□-S-NP	3.9	S	8	6000	0.18	300
CLH1005T-4N3□-S-NP	4.3	S	8	6000	0.18	300
CLH1005T-4N7□-S-NP	4.7	S	8	6000	0.18	300
CLH1005T-5N1□-S-NP	5.1	S	8	5300	0.20	300
CLH1005T-5N6□-S-NP	5.6	S	8	4500	0.20	300
CLH1005T-6N2□-S-NP	6.2	S / J / K	8	4500	0.22	300
CLH1005T-6N8□-S-NP	6.8	J / K	8	4500	0.24	300
CLH1005T-7N5□-S-NP	7.5	J / K	8	4200	0.24	300
CLH1005T-8N2□-S-NP	8.2	J / K	8	3700	0.24	300
CLH1005T-9N1□-S-NP	9.1	J / K	8	3400	0.26	300
CLH1005T-10N□-S-NP	10	J / K	8	3400	0.26	300
CLH1005T-12N□-S-NP	12	J / K	8	3000	0.28	300
CLH1005T-15N□-S-NP	15	J / K	8	2500	0.32	300
CLH1005T-18N□-S-NP	18	J / K	8	2200	0.36	300
CLH1005T-22N□-S-NP	22	J / K	8	1900	0.42	300
CLH1005T-27N□-S-NP	27	J / K	8	1700	0.46	300
CLH1005T-33N□-S-NP	33	J / K	8	1600	0.58	200
CLH1005T-39N□-S-NP	39	J / K	8	1200	0.65	200
CLH1005T-47N□-S-NP	47	J / K	8	1000	0.72	200
CLH1005T-56N□-S-NP	56	J / K	8	800	0.82	200
CLH1005T-68N□-S-NP	68	J / K	8	800	0.92	180
CLH1005T-82N□-S-NP	82	J / K	8	700	1.20	150

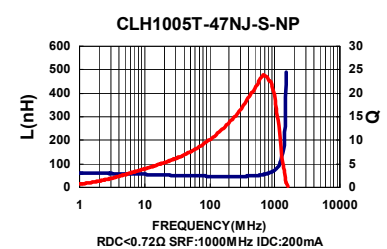
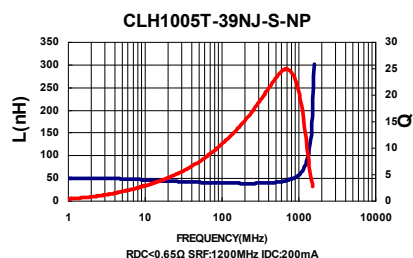
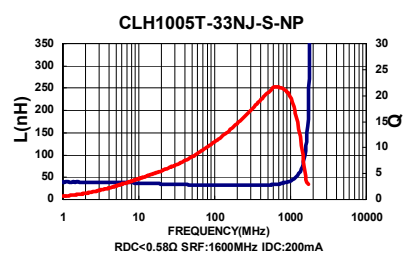
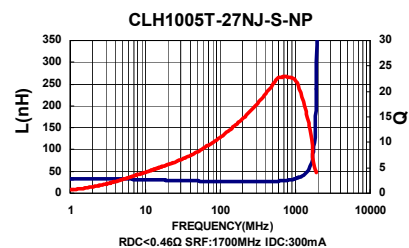
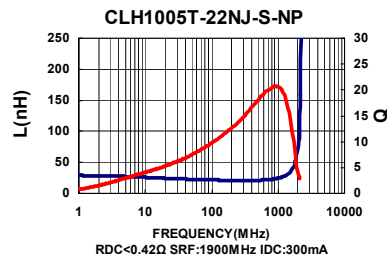
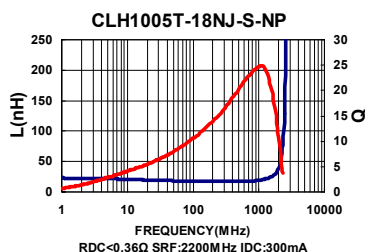
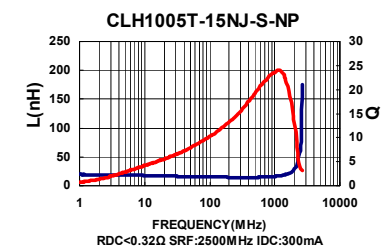
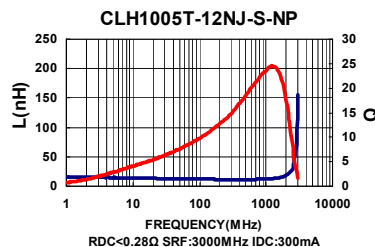
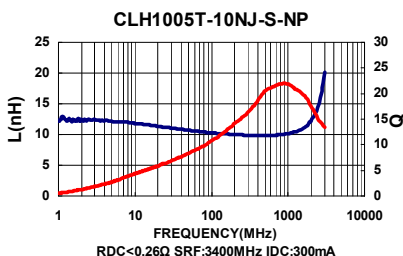
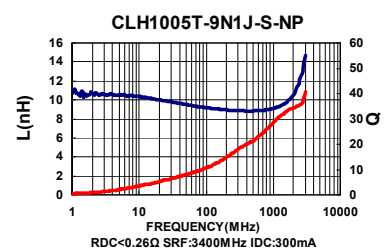
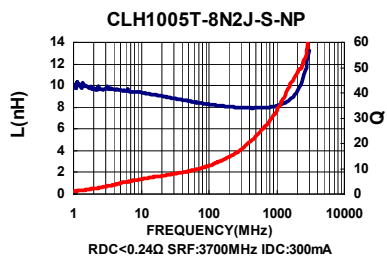
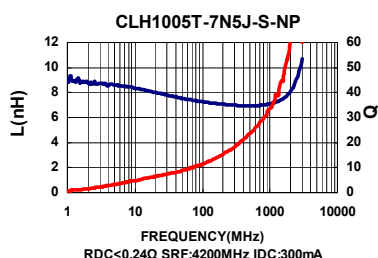
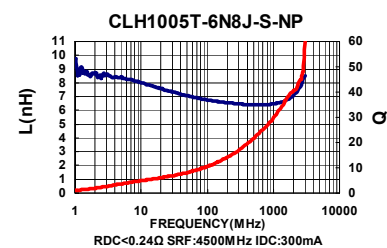
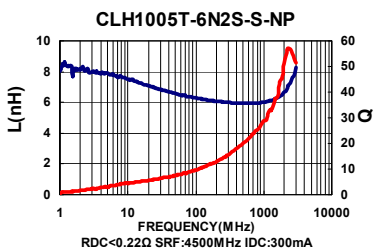
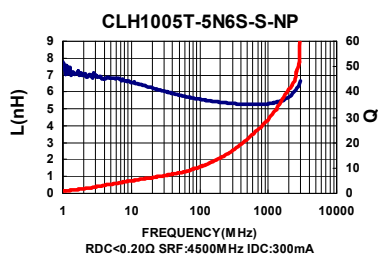
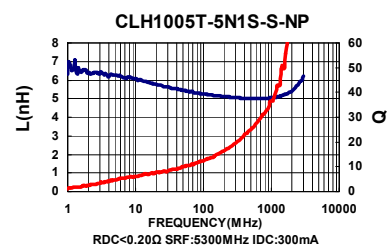
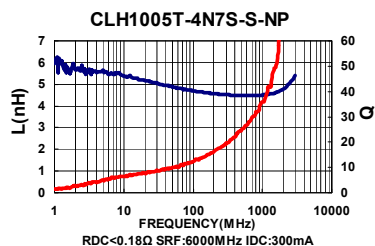
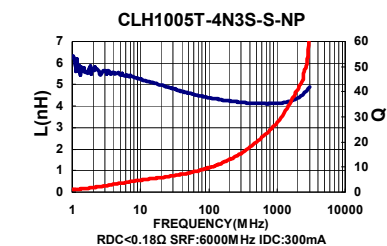
● Tolerance : S = $\pm 0.3\text{nH}$, J = $\pm 5\%$, K = $\pm 10\%$

● Test Instruments : L/Q : Agilent E4991A Fixture : Agilent 16197A
 SRF : HP8753D
 RDC : HP4338B/ CH502BC

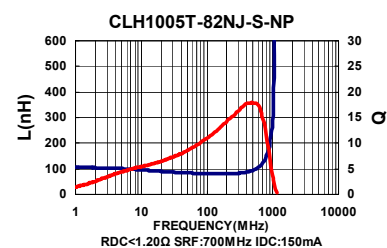
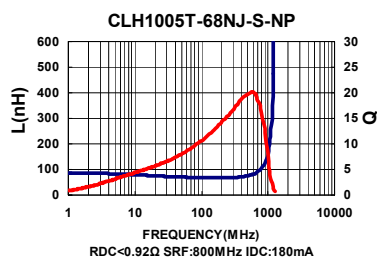
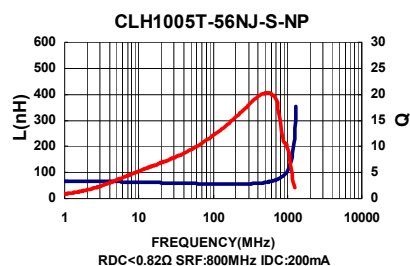
Test Instruments : HP4291A Material/Impedance Analyzer



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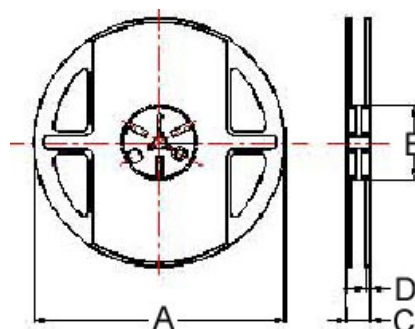
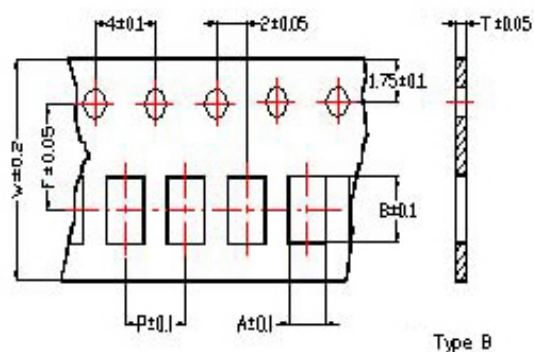


Test Instruments : HP4291A Material/Impedance Analyzer



Packaging Specifications

Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions							Reel Dimensions				Recommended Pattern			Quantity PCS / Reel
	A	B	T	W	P	F	Tape	A	B	C	D	A	B	C	
CLH1005-S-NP	0.65	1.15	0.60	8	2	3.5	B	178	60	12	1.5	0.4	1.2 ~ 1.4	0.4	10000