

# Open Type Wire Wound Chip Inductors/ LCN1206 Series

## Electrical Characteristics

Part Number	Inductance (nH)	Test Frequency (MHz)	Tolerance (±%)	Q Min	Test Frequency (MHz)	SRF Min (MHz)	Rdc Max ( )	Irms Max (mA)	Color Coding		
									1 <sup>ST</sup>	2 <sup>ND</sup>	3 <sup>RD</sup>
LCN1206T-3N3□-S	3.3	100	10 / 5	30	300	6200	0.05	1000	Black	Orange	Black
LCN1206T-6N8□-S	6.8	100	10 / 5	30	300	5500	0.07	1000	Black	Blue	Black
LCN1206T-10N□-S	10	100	10 / 5 / 2	40	300	4000	0.08	1000	Brown	Black	Black
LCN1206T-12N□-S	12	100	10 / 5 / 2	40	300	3200	0.08	1000	Brown	Red	Black
LCN1206T-15N□-S	15	100	10 / 5 / 2	40	300	3200	0.10	1000	Brown	Green	Black
LCN1206T-18N□-S	18	100	10 / 5 / 2	50	300	2800	0.10	1000	Brown	Gray	Black
LCN1206T-22N□-S	22	100	10 / 5 / 2	50	300	2200	0.10	1000	Red	Red	Black
LCN1206T-27N□-S	27	100	10 / 5 / 2	50	300	1800	0.11	1000	Red	Violet	Black
LCN1206T-33N□-S	33	100	10 / 5 / 2	55	300	1800	0.11	1000	Orange	Orange	Black
LCN1206T-39N□-S	39	100	10 / 5 / 2	55	300	1800	0.12	1000	Orange	White	Black
LCN1206T-47N□-S	47	100	10 / 5 / 2	55	300	1500	0.13	1000	Yellow	Violet	Black
LCN1206T-56N□-S	56	100	10 / 5 / 2	55	300	1450	0.14	1000	Green	Blue	Black
LCN1206T-68N□-S	68	100	10 / 5 / 2	55	300	1200	0.26	900	Blue	Gray	Black
LCN1206T-82N□-S	82	100	10 / 5 / 2	55	300	1200	0.21	900	Gray	Red	Black
LCN1206T-R10□-S	100	100	10 / 5 / 2	55	300	1100	0.26	850	Brown	Black	Brown
LCN1206T-R12□-S	120	100	10 / 5 / 2	60	300	1100	0.26	800	Brown	Red	Brown
LCN1206T-R15□-S	150	100	10 / 5 / 2	60	300	950	0.31	750	Brown	Green	Brown
LCN1206T-R18□-S	180	50	10 / 5 / 2	60	300	900	0.43	700	Brown	Gray	Brown
LCN1206T-R22□-S	220	50	10 / 5 / 2	60	300	760	0.50	670	Red	Red	Brown
LCN1206T-R27□-S	270	50	10 / 5 / 2	55	300	730	0.56	630	Red	Violet	Brown
LCN1206T-R33□-S	330	50	10 / 5 / 2	45	150	650	0.62	590	Orange	Orange	Brown
LCN1206T-R39□-S	390	50	10 / 5 / 2	45	150	600	0.75	530	Orange	White	Brown
LCN1206T-R47□-S	470	50	10 / 5 / 2	45	150	550	1.30	490	Yellow	Violet	Brown
LCN1206T-R56□-S	560	35	10 / 5 / 2	45	150	470	1.34	460	Green	Blue	Brown
LCN1206T-R62□-S	620	35	10 / 5 / 2	45	150	470	1.58	460	Blue	Red	Brown
LCN1206T-R68□-S	680	35	10 / 5 / 2	45	150	450	1.58	430	Blue	Gray	Brown
LCN1206T-R75□-S	750	35	10 / 5 / 2	45	150	440	2.25	320	Violet	Green	Brown
LCN1206T-R82□-S	820	35	10 / 5 / 2	45	150	420	1.82	400	Gray	Red	Brown
LCN1206T-R91□-S	910	35	10 / 5 / 2	45	150	410	2.95	310	White	Brown	Brown
LCN1206T-1R0□-S	1000	35	10 / 5 / 2	45	150	400	2.80	320	Brown	Black	Red
LCN1206T-1R2□-S	1200	35	10 / 5 / 2	45	150	380	3.20	300	Brown	Red	Red

1. When ordering, please specify tolerance and packaging codes. Ex: LCN1206T-R12J-S

Tolerance : G = ±2% , J = ±5% , K = ±10%

Packaging : Clear tape and reel { standard }.

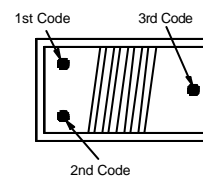
2. L , Q : Agilent/HP4291A+ Agilent/HP16193A

3. SRF : Agilent/HP8753D / Agilent/HP4291A

4. Rdc : DIGITAL MULTIMETER SC-7401

5. Irms for a 15 rise above 25 ambient.

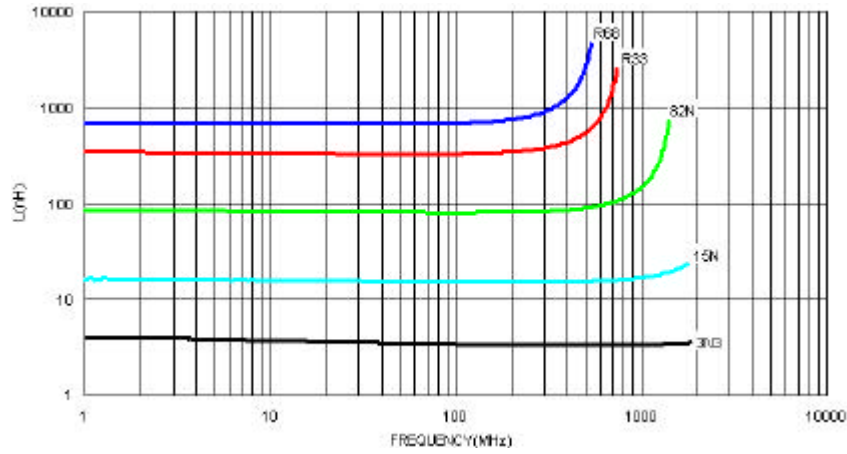
6. Operating temperature range from -40 to 125 .



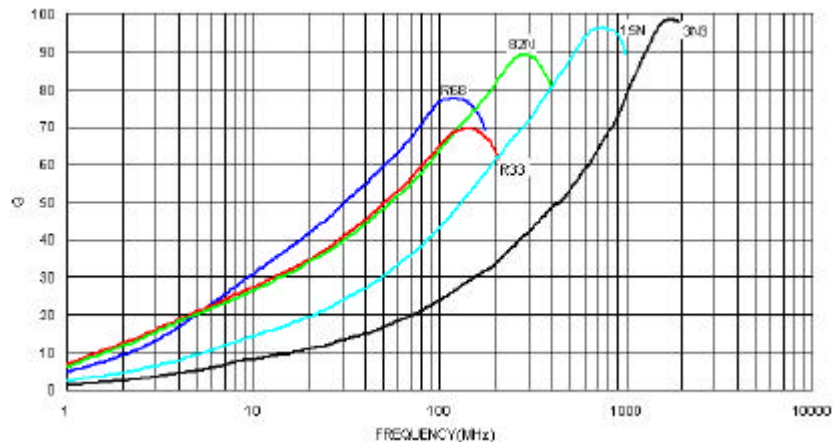
COLOR CODING

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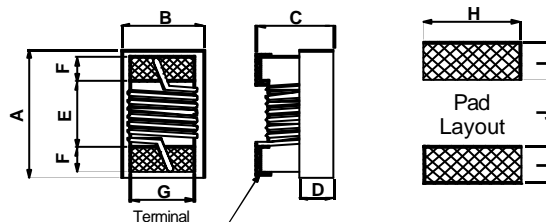
## Typical L vs. Frequency



## Typical Q vs. Frequency



## Sharp & Dimensions



Terminal wraparound :  
Approx. 0.38mm both ends

	A Max.	B Max.	C Max.	D Ref.	E	F	G	H	I	J
inch	0.146	0.110	0.087	0.035	0.086	0.020	0.091	0.106	0.039	0.079
mm	3.70	2.80	2.20	0.90	2.18	0.51	2.30	2.70	1.00	2.00

Parts/Reel: 7" 2,000 Tape Width: 8mm

For packaging data see Tape & Reel Specifications section.