Chip Inductors–1008HT Series (2520)

These low profile inductors are 40% thinner than our conventional 1008 body sizes. They feature standard inductance tolerances of 5-10%, high SRFs and very high Q.

Part Number	Inductance[1] nH	Percent Tolerance[2]	Q Min[3]	SRF Min[4] MHz	R_{DC} Max[5] Ohms	I_{DC} Max[6] mA
1008HT-3N3TKBC	3.3 @ 250 MHz	**10**	65 @ 1500 MHz	>6000	.025	1000
1008HT-6N8TKBC	6.8 @ 250 MHz	**10**	70 @ 1500 MHz	5500	.05	1000
1008HT-7N2TKBC	7.2 @ 250 MHz	**10**	70 @ 1500 MHz	4800	.05	1000
1008HT-12NTKBC	12 @ 250 MHz	**10**	55 @ 700 MHz	3800	.065	1000
1008HT-15NTKBC	15 @ 250 MHz	**10**	55 @ 700 MHz	2800	.08	1000
1008HT-18NTKBC	18 @ 250 MHz	**10**	55 @ 500 MHz	3000	.09	1000
1008HT-22NTJBC	22 @ 250 MHz	**5**	55 @ 500 MHz	2600	.11	950
1008HT-27NTJBC	27 @ 250 MHz	**5**	55 @ 500 MHz	2400	.13	850
1008HT-33NTJBC	33 @ 200 MHz	**5**	55 @ 350 MHz	2000	.135	760
1008HT-39NTJBC	39 @ 200 MHz	**5**	55 @ 350 MHz	1900	.17	700
1008HT-47NTJBC	47 @ 200 MHz	**5**	55 @ 350 MHz	1500	.18	660
1008HT-56NTJBC	56 @ 150 MHz	**5**	50 @ 300 MHz	1500	.18	620
1008HT-68NTJBC	68 @ 150 MHz	**5**	50 @ 300 MHz	1500	.23	550
1008HT-82NTJBC	82 @ 150 MHz	**5**	40 @ 250 MHz	1300	.35	500
1008HT-R10TJBC	100 @ 100 MHz	**5**	40 @ 250 MHz	1200	.64	420
1008HT-R12TJBC	120 @ 100 MHz	**5**	40 @ 200 MHz	1090	.55	350
1008HT-R14TJBC	140 @ 100 MHz	**5**	40 @ 200 MHz	1100	.70	320
1008HT-R15TJBC	150 @ 100 MHz	**5**	40 @ 200 MHz	960	.75	300
1008HT-R18TJBC	180 @ 50 MHz	**5**	40 @ 200 MHz	920	1.02	250
1008HT-R22TJBC	220 @ 50 MHz	**5**	34 @ 100 MHz	750	1.15	250
1008HT-R24TJBC	240 @ 50 MHz	**5**	32 @ 100 MHz	800	1.15	250
1008HT-R27TJBC	270 @ 50 MHz	**5**	32 @ 100 MHz	770	1.25	250
1008HT-R33TJBC	330 @ 25 MHz	**5**	32 @ 100 MHz	635	1.35	250
1008HT-R39TJBC	390 @ 25 MHz	**5**	32 @ 100 MHz	555	1.45	250
1008HT-R47TJBC	470 @ 25 MHz	**5**	32 @ 100 MHz	530	1.65	240
1008HT-R56TJBC	560 @ 25 MHz	**5**	32 @ 100 MHz	485	1.90	240

1. Inductance measured using the HP4291A impedance analyzer with the HP16193A test fixture with Coilcraft-provided correlation pieces. For recommended test procedures, contact Coilcraft.
2. Bold number indicates standard tolerance. When ordering other tolerances, replace the third to the last letter in the part number with the proper tolerance code: F=1%, G=2%, J=5%, K=10%, M=20%. (e.g. 1008HT-3N3TJBC for a 5% tolerance part)
3. Q measured using HP4291A with HP16193 test fixture and on HP8753B with Coilcraft SMD-E test fixture.
4. SRF measured using HP8753B network analyzer and Coilcraft SMD-D test fixture.
5. R_{DC} measured on Cambridge Technology micro-ohmmeter and Coilcraft CCF 840 test fixture.
6. For 15°C rise.

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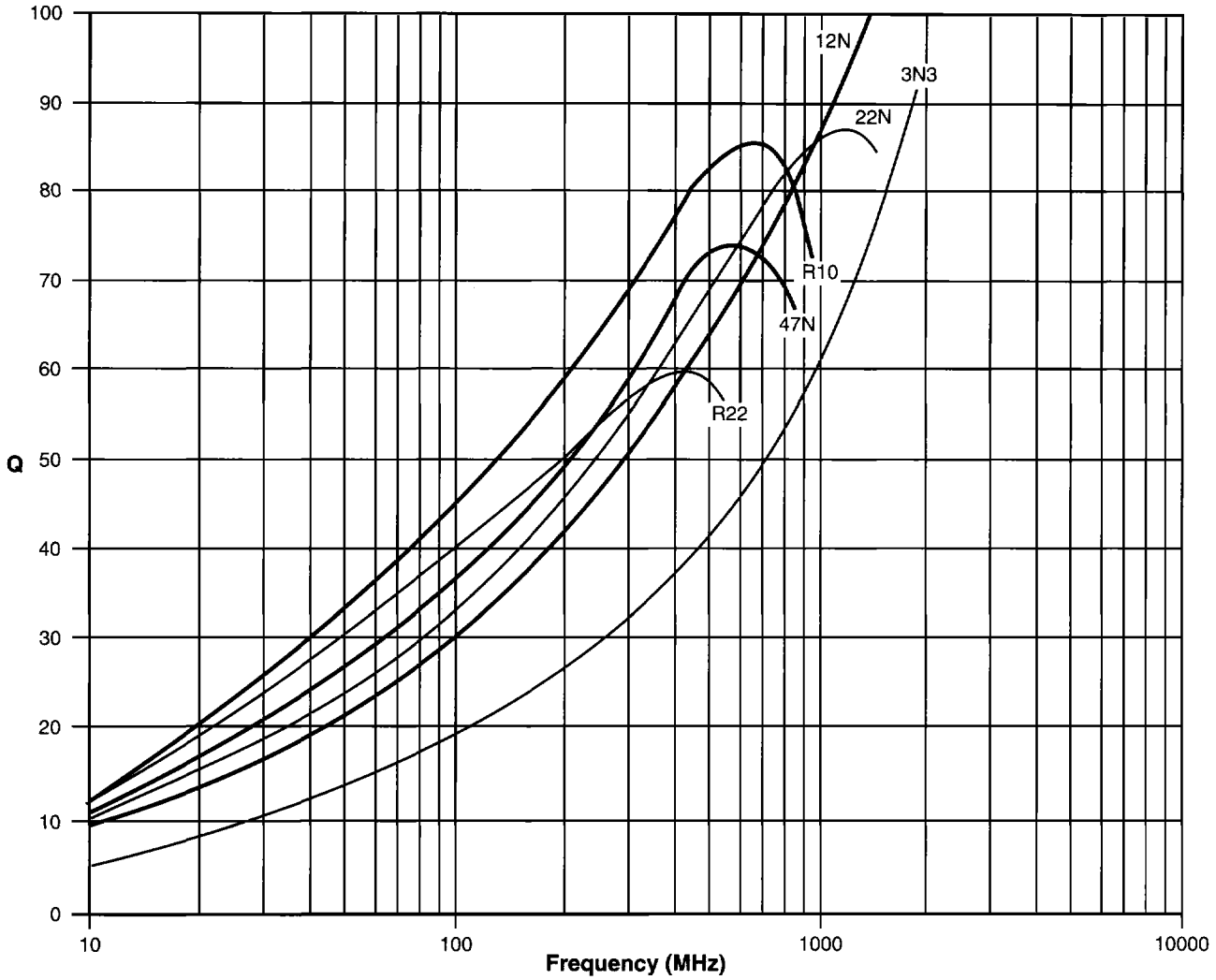
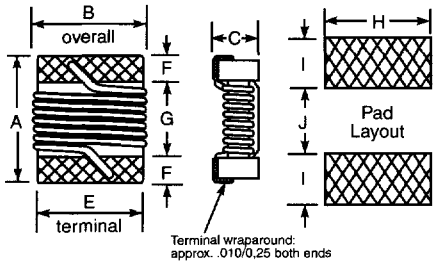
TYPICAL Q vs FREQUENCY

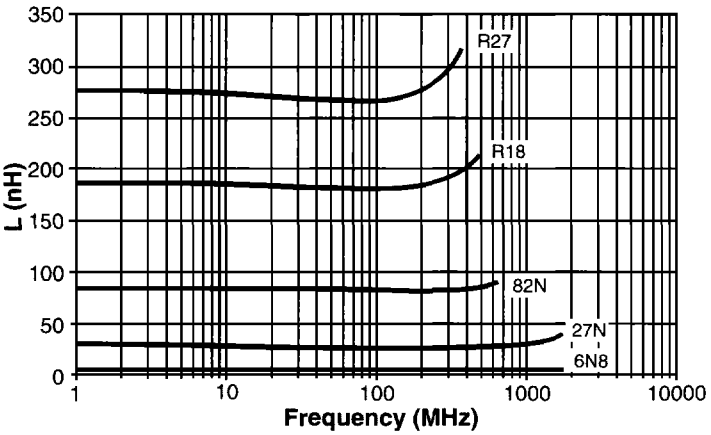




A Max.	B Max.	C Max.	E	F	G	H	I	J
.105	.095	.045	.080	.020	.060	.100	.040	.050
2,67	2,41	1,14	2,03	0,51	1,52	2,54	1,02	1,27

Parts/Reel: 7″ 2,000; 13″ 7,500
Tape Width: 8mm

L vs FREQUENCY



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