



**WIRE-WOUND CHIP INDUCTOR – CERAMIC/OPEN TYPE**  
**1008CS (2520) Series (5.6 nH~15000 nH)**

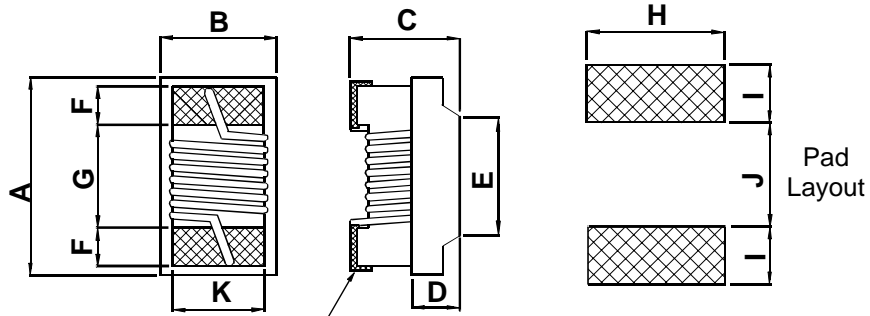
Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	R <sub>DC</sub> Max Ohms	I <sub>DC</sub> Max mA	Color Code
*1008CS-5N6E_TS	5.6 @ 50MHz	10,5	50 @ 1500MHz	4000	0.15	1000	Black
*1008CS-100E_TS	10.0 @ 50MHz	10,5,2	50 @ 500MHz	4100	0.08	1000	Brown
*1008CS-120E_TS	12.0 @ 50MHz	10,5,2	50 @ 500MHz	3300	0.09	1000	Red
*1008CS-150E_TS	15.0 @ 50MHz	10,5,2	50 @ 500MHz	2500	0.11	1000	Orange
*1008CS-180E_TS	18.0 @ 50MHz	10,5,2	50 @ 350MHz	2400	0.12	1000	Yellow
*1008CS-220E_TS	22.0 @ 50MHz	10,5,2	55 @ 350MHz	2400	0.12	1000	Green
1008CS-240E_TS	24.0 @ 50MHz	10,5,2	55 @ 350MHz	1900	0.12	1000	Blue
*1008CS-270E_TS	27.0 @ 50MHz	10,5,2	55 @ 350MHz	1600	0.13	1000	Violet
*1008CS-330E_TS	33.0 @ 50MHz	10,5,2	60 @ 350MHz	1600	0.14	1000	Gray
1008CS-360E_TS	36.0 @ 50MHz	10,5,2	60 @ 350MHz	1600	0.15	1000	Orange
*1008CS-390E_TS	39.0 @ 50MHz	10,5,2	60 @ 350MHz	1500	0.15	1000	White
*1008CS-470E_TS	47.0 @ 50MHz	10,5,2	65 @ 350MHz	1500	0.16	1000	Black
*1008CS-560E_TS	56.0 @ 50MHz	10,5,2	65 @ 350MHz	1300	0.18	1000	Brown
*1008CS-620E_TS	62.0 @ 50MHz	10,5,2	65 @ 350MHz	1250	0.20	1000	Blue
*1008CS-680E_TS	68.0 @ 50MHz	10,5,2	65 @ 350MHz	1300	0.20	1000	Red
1008CS-750E_TS	75.0 @ 50MHz	10,5,2	60 @ 350MHz	1100	0.21	1000	White
*1008CS-820E_TS	82.0 @ 50MHz	10,5,2	60 @ 350MHz	1000	0.22	1000	Orange
*1008CS-101E_TS	100.0 @ 25MHz	10,5,2	60 @ 350MHz	1000	0.56	650	Yellow
*1008CS-121E_TS	120.0 @ 25MHz	10,5,2	60 @ 350MHz	950	0.63	650	Green
*1008CS-151E_TS	150.0 @ 25MHz	10,5,2	45 @ 100MHz	850	0.70	800	Blue
*1008CS-181E_TS	180.0 @ 25MHz	10,5,2	45 @ 100MHz	750	0.77	620	Violet
*1008CS-221E_TS	220.0 @ 25MHz	10,5,2	45 @ 100MHz	700	0.84	500	Gray
*1008CS-241E_TS	240.0 @ 25MHz	10,5,2	45 @ 100MHz	650	0.88	500	White
*1008CS-271E_TS	270.0 @ 25MHz	10,5,2	45 @ 100MHz	600	0.91	690	Black
*1008CS-301E_TS	300.0 @ 25MHz	10,5,2	45 @ 100MHz	585	1.00	450	Brown
*1008CS-331E_TS	330.0 @ 25MHz	10,5,2	45 @ 100MHz	570	1.05	450	Red
*1008CS-361E_TS	360.0 @ 25MHz	10,5,2	45 @ 100MHz	530	1.10	470	Orange
*1008CS-391E_TS	390.0 @ 25MHz	10,5,2	45 @ 100MHz	500	1.12	630	Yellow
*1008CS-431E_TS	430.0 @ 25MHz	10,5,2	45 @ 100MHz	480	1.15	470	Green
*1008CS-471E_TS	470.0 @ 25MHz	10,5,2	45 @ 100MHz	450	1.19	470	Blue
*1008CS-561E_TS	560.0 @ 25MHz	10,5,2	45 @ 100MHz	415	1.33	580	Violet
*1008CS-621E_TS	620.0 @ 25MHz	10,5,2	45 @ 100MHz	375	1.40	300	Gray
*1008CS-681E_TS	680.0 @ 25MHz	10,5,2	45 @ 100MHz	375	1.47	540	White
*1008CS-751E_TS	750.0 @ 25MHz	10,5,2	45 @ 100MHz	360	1.54	360	Black
*1008CS-821E_TS	820.0 @ 25MHz	10,5,2	45 @ 100MHz	350	1.61	400	Brown
*1008CS-911E_TS	910.0 @ 25MHz	10,5,2	35 @ 50MHz	320	1.68	380	Red
*1008CS-102E_TS	1000.0 @ 25MHz	10,5,2	35 @ 50MHz	290	1.75	370	Orange
*1008CS-122E_TS	1200.0 @ 7.9MHz	10,5,2	35 @ 50MHz	250	2.00	310	Yellow
*1008CS-152E_TS	1500.0 @ 7.9MHz	10,5,2	28 @ 50MHz	200	2.30	330	Green
*1008CS-182E_TS	1800.0 @ 7.9MHz	10,5,2	28 @ 50MHz	160	2.60	300	Blue
*1008CS-222E_TS	2200.0 @ 7.9MHz	10,5,2	28 @ 50MHz	160	2.80	280	Violet
*1008CS-272E_TS	2700.0 @ 7.9MHz	10,5,2	22 @ 25MHz	140	3.20	290	Gray
*1008CS-332E_TS	3300.0 @ 7.9MHz	10,5,2	22 @ 25MHz	110	3.40	290	White
*1008CS-392E_TS	3900.0 @ 7.9MHz	10,5,2	20 @ 25MHz	100	3.60	260	Black
*1008CS-472E_TS	4700.0 @ 7.9MHz	10,5,2	18 @ 25MHz	90	4.00	260	Brown
1008CS-562E_TS	5600.0 @ 7.9MHz	10,5,2	16 @ 7.96MHz	20	4.00	240	Red
1008CS-682E_TS	6800.0 @ 7.9MHz	10,5,2	15 @ 7.96MHz	40	4.90	200	Orange
1008CS-822E_TS	8200.0 @ 7.9MHz	10,5,2	15 @ 7.96MHz	25	6.00	170	Yellow
1008CS-103E_TS	10000 @ 2.52MHz	10,5,2	15 @ 7.96MHz	20	9.00	150	Green
1008CS-123E_TS	12000 @ 2.52MHz	10,5,2	15 @ 7.96MHz	18	10.5	130	Blue
1008CS-153E_TS	15000 @ 2.52MHz	10,5,2	15 @ 7.96MHz	15	11.5	120	Violet

Working Temperature : -40 °C ~ 125 °C

TEST METHODS / INSTRUMENT : NETWORK/SPECTRUM ANALYZER.



# Shape & Dimension



Terminal wraparound:  
Approx. 0.018/0.45 both ends

	A		B		C		D Ref.	E Ref.	F	G	H	I	J	K
	Max.	Ref.	Max.	Ref.	Max.	Ref.								
Inch	0.115	0.103	0.110	0.095	0.080	0.072	0.025	0.065	0.020	0.060	0.100	0.040	0.050	0.080
mm	2.92	2.60	2.79	2.40	2.03	1.82	0.65	1.65	0.51	1.52	2.54	1.02	1.27	2.03

Parts/Reel: 7" 2,000 PCS

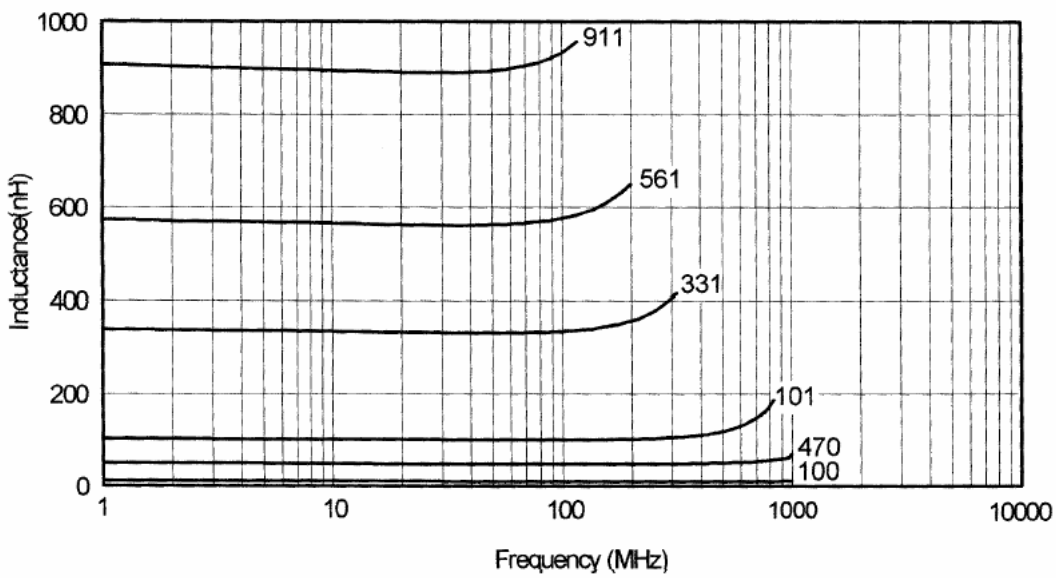
Tape Width: 8mm

## Q vs F & L vs F Curve

### WIRE-WOUND CHIP INDUCTOR

#### 1008CS Series (2520)

##### TYPICAL L vs FREQUENCY



##### TYPICAL Q vs FREQUENCY

