CS1008F

Ceramic Chip Inductor 1008 High Q (10nH-4700nH)

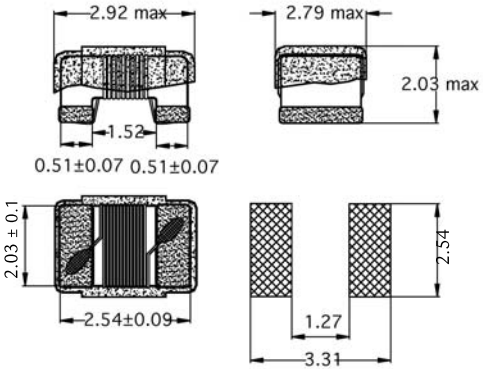
Features

Leadless small size inductor wound on high alumina ceramic bodies. High Q factor and self-resonance frequencies, allow excellent operation in GSM frequencies, DECT, cordless communications, wireless LANs, etc.
Operating temperature: -40 °C → +125 °C.
Storage temperature: -40 °C → +125 °C.

Materials

1008 CS type in High alumina ceramic body Al_2O_3 96% (Rubalit 708).
Metallization: Mo/Mn + Ni (min 2µm) + Au flash

Dimensions



Product List

Ordering code[1]	L_R (nH)	Tolerance	Q_{Min}	SRF Min. (MHz)	RDC (Ω) max.	I rms (mA)
CS1008F-100+	10@50MHz	M,K	50@500MHz	4100	0.08	1000
CS1008F-120+	12@50MHz	M,K	50@500MHz	3300	0.09	1000
CS1008F-150+	15@50MHz	M,K	50@500MHz	2500	0.10	1000
CS1008F-180+	18@50MHz	M,K,J,G	50@500MHz	2500	0.11	1000
CS1008F-220+	22@50MHz	M,K,J,G	55@350MHz	2400	0.12	1000
CS1008F-270+	27@50MHz	M,K,J,G	55@350MHz	1600	0.13	1000
CS1008F-330+	33@50MHz	M,K,J,G	60@350MHz	1600	0.14	1000
CS1008F-390+	39@50MHz	M,K,J,G	60@350MHz	1500	0.15	1000
CS1008F-470+	47@50MHz	M,K,J,G	65@350MHz	1500	0.16	1000
CS1008F-560+	56@50MHz	K,J,G	65@350MHz	1300	0.18	1000
CS1008F-680+	68@50MHz	K,J,G	65@350MHz	1300	0.20	1000
CS1008F-820+	82@50MHz	K,J,G	60@350MHz	1000	0.22	1000
CS1008F-101+	100@25MHz	K,J,G	60@350MHz	1000	0.56	650
CS1008F-121+	120@25MHz	K,J,G	60@350MHz	950	0.63	650
CS1008F-151+	150@25MHz	K,J,G	45@100MHz	850	0.70	580
CS1008F-181+	180@25MHz	K,J,G	45@100MHz	750	0.77	620
CS1008F-221+	220@25MHz	K,J,G	45@100MHz	700	0.84	500
CS1008F-271+	270@25MHz	K,J,G	45@100MHz	600	0.91	500
CS1008F-331+	330@25MHz	K,J,G	45@100MHz	570	1.05	450
CS1008F-391+	390@25MHz	K,J,G	45@100MHz	500	1.12	470
CS1008F-471+	470@25MHz	K,J,G	45@100MHz	450	1.19	470
CS1008F-561+	560@25MHz	K,J,G	45@100MHz	415	1.33	400
CS1008F-621+	620@25MHz	K,J,G	45@100MHz	375	1.40	300
CS1008F-681+	680@25MHz	K,J,G	45@100MHz	375	1.47	400
CS1008F-751+	750@25MHz	K,J,G	45@100MHz	360	1.54	360
CS1008F-821+	820@25MHz	K,J,G	45@100MHz	350	1.61	400
CS1008F-911+	910@25MHz	K,J,G	35@50MHz	320	1.68	380
CS1008F-102+	1000@25MHz	K,J,G	35@50MHz	290	1.75	370
CS1008F-122+	1200@7.9MHz	K,J,G	35@50MHz	250	2.00	310
CS1008F-152+	1500@7.9MHz	K,J,G	28@50MHz	200	2.30	330
CS1008F-182+	1800@7.9MHz	K,J,G	28@50MHz	160	2.60	300
CS1008F-222+	2200@7.9MHz	K,J,G	28@50MHz	160	2.80	280
CS1008F-272+	2700@7.9MHz	K,J,G	22@25MHz	140	3.20	290
CS1008F-332+	3300@7.9MHz	K,J,G	22@25MHz	110	3.40	290
CS1008F-392+	3900@7.9MHz	K,J,G	20@25MHz			
CS1008F-472+	4700@7.9MHz	K,J,G	20@25MHz			

1 Replace the + by the code letter for the required inductance tolerance (F=1%,G=2%, J=5%, K=10%,M=20%).