

GSW Series



● Features:

- Ceramic base provide high SRF
- Ultra-compact inductors provide high Q factors
- Low profile, high current are available
- Miniature SMD chip inductor for fully automated assembly
- Outstanding endurance from Pull-up force, mechanical shock and pressure
- Tighter tolerance down to $\pm 2\%$
- Smaller size of 0402 (1005)

● Applications:

RF Products:

- Cellular Phone (CDMA/GSM/PHS)
- Cordless Phone (DECT/CT1CT2)
- Remote Control, Security System
- Wireless PDA
- WLL, Wireless LAN / Mouse / Keyboard
- VCO, RF Module & Other Wireless Products
- Base Station, Repeater
- GPS Receiver

Broad Band Applications:

- CATV Filter, Tuner
- Cable Modem/ XDSL Tuner
- Set Top Box

IT Applications:

- USB 2.0
- IEEE 1394

● Operating temperature $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$

● Dimensions and Land Patterns. (UNIT: mm)

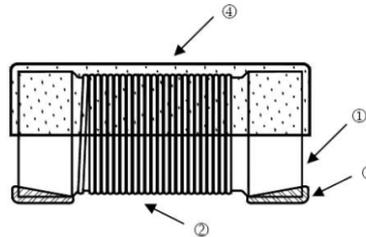
Standard

TYPE	Size	A Max.	B Max.	C Max.	D Typ.	E	F	G	H	I	J
GSW02	0402	1.27	0.76	0.61	0.15	0.51	0.23	0.56	0.66	0.50	0.46
GSW03	0603	1.80	1.12	1.02	0.38	0.76	0.33	0.86	1.02	0.64	0.64
GSW05	0805	2.29	1.73	1.60	0.51	1.27	0.44	1.02	1.78	1.02	0.76
GSW08	1008	2.92	2.79	2.13	0.65	2.03	0.51	1.52	2.54	1.02	1.27
GSW06	1206	3.45	1.90	1.40	0.50	1.60	0.50	2.22	1.93	1.02	1.78

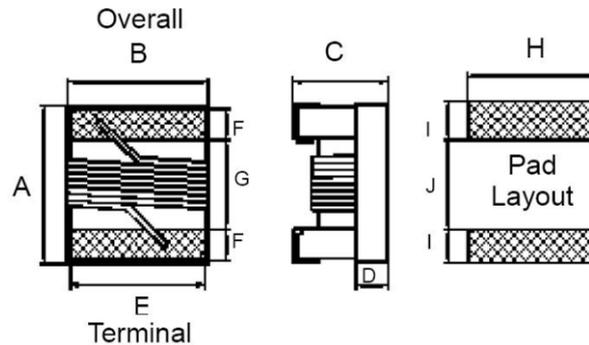
High Current / High Q

TYPE	Size	A Max.	B Max.	C Max.	D Typ.	E	F	G	H	I	J
GSW02	0402	1.27	0.76	0.61	0.15	0.51	0.23	0.56	0.66	0.50	0.46
GSW03	0603	1.80	1.12	1.02	0.38	0.76	0.33	0.86	1.02	0.64	0.64
GSW05	0805	2.29	1.73	1.52	0.51	1.27	0.44	1.02	1.78	1.02	0.76
GSW08	1008	2.92	2.79	2.03	0.65	2.03	0.51	1.52	2.54	1.02	1.27

● Construction

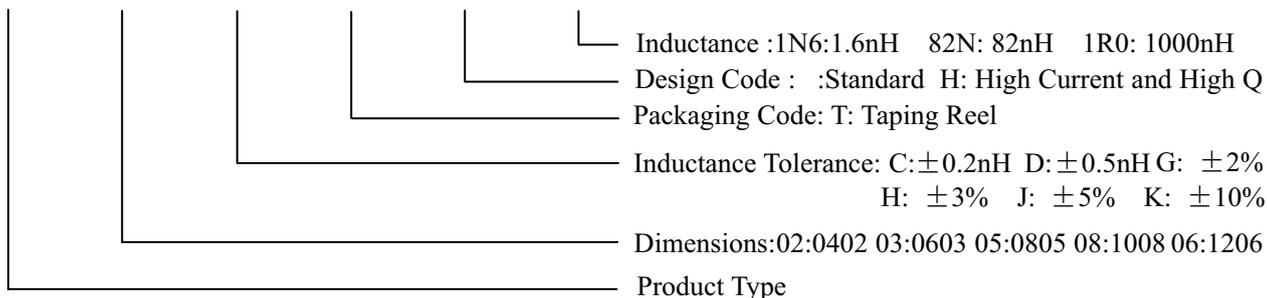


①	②	③	④
Ceramic core	Magnet Wire	Electrode	UV Glue



● Part Numbering

GSW 02 J T 1N6



Standard Electrical Specifications

GSW02 Wire Wound Chip Inductors / Standard Type

PART No.	L (nH)	Tolerance	L Freq. (MHz)	Q Min	SRF Min(GHz)	DCR Max(Ω)	IDC Max(mA)	900MHz		1.7GHz	
								L	Q	L	Q
GSW02KT1N0	1.0	K	250	16	12.70	0.045	1360	1.02	77	1.02	69
GSW02KT1N9	1.9	K	250	16	11.30	0.070	1040	1.72	68	1.74	82
GSW02KT2N0	2.0	K	250	16	11.10	0.070	1040	1.93	54	1.93	75
GSW02KT2N2	2.2	K	250	19	10.80	0.070	960	2.19	59	2.23	100
GSW02KT2N4	2.4	K	250	15	10.50	0.070	790	2.24	51	2.27	68
GSW02KT2N7	2.7	K	250	16	10.40	0.120	640	2.23	42	2.25	61
GSW02KT3N3	3.3	K	250	19	7.00	0.066	840	3.10	65	3.12	87
GSW02□T3N6	3.6	J, K	250	19	6.80	0.066	840	3.56	45	3.62	71
GSW02□T3N9	3.9	J, K	250	19	5.80	0.066	840	3.89	50	4.00	75
GSW02□T4N3	4.3	J, K	250	18	6.00	0.091	700	4.19	47	4.30	71
GSW02□T4N7	4.7	J, K	250	18	4.70	0.130	640	4.55	48	4.68	68
GSW02□T5N1	5.1	J, K	250	20	4.80	0.083	800	5.15	56	5.25	82
GSW02□T5N6	5.6	J, K	250	20	4.80	0.083	760	5.16	54	5.28	81
GSW02□T6N2	6.2	J, K	250	20	4.80	0.083	760	6.16	52	6.37	76
GSW02□T6N8	6.8	J, K	250	20	4.80	0.083	680	6.56	63	6.93	78
GSW02□T7N5	7.5	J, K	250	22	4.80	0.104	680	7.91	60	8.22	88
GSW02□T8N2	8.2	J, K	250	22	4.40	0.104	680	8.50	57	8.85	84
GSW02□T8N7	8.7	J, K	250	18	4.10	0.200	480	8.78	54	9.21	73
GSW02□T9N0	9.0	J, K	250	22	4.16	0.104	680	9.07	62	9.53	78
GSW02□T9N5	9.5	J, K	250	18	4.00	0.200	480	9.42	54	9.98	69
GSW02□T10N	10	G, J, K	250	21	3.90	0.195	480	9.80	50	10.1	67
GSW02□T11N	11	G, J, K	250	24	3.68	0.120	640	10.7	52	11.2	78
GSW02□T12N	12	G, J, K	250	24	3.60	0.120	640	11.9	53	12.7	71
GSW02□T13N	13	G, J, K	250	24	3.45	0.210	440	13.4	51	14.6	57
GSW02□T15N	15	G, J, K	250	24	3.28	0.172	560	14.6	55	15.5	77
GSW02□T16N	16	G, J, K	250	24	3.10	0.220	560	16.6	46	18.8	47
GSW02□T18N	18	G, J, K	250	25	3.10	0.230	420	18.3	57	20.3	62
GSW02□T19N	19	G, J, K	250	24	3.04	0.202	480	19.1	50	21.1	67
GSW02□T20N	20	G, J, K	250	25	3.00	0.250	420	20.7	52	23.7	53
GSW02□T22N	22	G, J, K	250	25	2.80	0.300	400	23.2	53	26.8	53
GSW02□T23N	23	G, J, K	250	24	2.72	0.300	400	23.8	49	26.9	64
GSW02□T24N	24	G, J, K	250	25	2.70	0.300	400	25.1	51	29.5	50
GSW02□T27N	27	G, J, K	250	24	2.48	0.300	400	28.7	49	33.5	63
GSW02□T30N	30	G, J, K	250	25	2.35	0.350	400	31.1	46	38.5	39
GSW02□T33N	33	G, J, K	250	24	2.35	0.350	400	34.9	31	41.7	32
GSW02□T36N	36	G, J, K	250	24	2.32	0.440	320	39.5	44	48.4	53
GSW02□T39N	39	G, J, K	250	25	2.10	0.550	200	41.7	47	50.2	45
GSW02□T40N	40	G, J, K	250	24	2.24	0.500	320	39.0	44	47.4	33
GSW02□T43N	43	G, J, K	250	25	2.03	0.810	100	45.8	46	61.6	34
GSW02□T47N	47	G, J, K	250	25	2.10	0.830	150	50.0	38	55.8	37
GSW02□T51N	51	G, J, K	250	25	1.75	0.820	100	50.4	47	59.4	37
GSW02□T56N	56	G, J, K	250	25	1.76	0.970	100	57.4	49	72.4	40
GSW02□T68N	68	G, J, K	250	22	1.62	1.120	100	69.6	45	83.4	38
GSW02□T82N	82	G, J, K	250	22	1.26	1.550	50	-	-	-	-
GSW02□TR10	100	G, J, K	250	22	1.16	2.000	30	-	-	-	-
GSW02□TR12	120	G, J, K	250	20	>1.80	2.660	50	-	-	-	-

Standard Electrical Specifications

GSW03 Wire Wound Chip Inductors / Standard Type

PART No.	L (nH)	Tolerance	L Freq. (MHz)	Q Min	SRF Min(GHz)	DCR Max(Ω)	IDC Max(mA)	900MHz		1.7GHz	
								L	Q	L	Q
GSW03□T1N6	1.6	J, K	250	24	12.5	0.030	700	1.53	35	1.58	55
GSW03□T1N8	1.8	J, K	250	16	12.5	0.045	700	1.63	35	1.66	50
GSW03□T2N2	2.2	J, K	250	15	6.00	0.100	700	2.18	41	2.20	64
GSW03□T2N3	2.3	J, K	250	16	>4.00	0.140	700	2.32	32	2.35	40
GSW03□T3N3	3.3	G,J,K	250	22	>6.00	0.080	700	3.35	47	3.40	65
GSW03□T3N6	3.6	G,J,K	250	22	5.80	0.063	700	3.53	49	3.58	65
GSW03□T3N9	3.9	G,J,K	250	22	>6.00	0.080	700	3.95	49	3.96	67
GSW03□T4N3	4.3	G,J,K	250	22	5.80	0.063	700	4.32	49	4.43	67
GSW03□T4N5	4.5	G,J,K	250	20	5.80	0.120	700	4.74	55	4.87	92
GSW03□T4N7	4.7	G,J,K	250	25	5.80	0.120	700	4.65	53	4.8	67
GSW03□T5N1	5.1	G,J,K	250	20	5.80	0.160	700	5.13	47	5.36	56
GSW03□T5N6	5.6	G,J,K	250	20	5.80	0.170	700	5.53	56	5.86	77
GSW03□T6N2	6.2	G,J,K	250	25	5.80	0.110	700	6.28	60	6.40	85
GSW03□T6N3	6.3	G,J,K	250	25	5.80	0.110	700	6.67	41	6.86	61
GSW03□T6N8	6.8	G,J,K	250	27	5.80	0.110	700	6.75	60	7.10	81
GSW03□T7N5	7.5	G,J,K	250	28	4.80	0.106	700	7.70	60	7.82	65
GSW03□T8N2	8.2	G,J,K	250	27	4.80	0.110	700	8.25	64	8.40	81
GSW03□T8N7	8.7	G,J,K	250	28	4.80	0.109	700	8.86	62	9.32	58
GSW03□T9N1	9.1	G,J,K	250	35	4.80	0.130	700	9.20	70	9.70	80
GSW03□T9N5	9.5	G,J,K	250	28	5.40	0.135	700	9.70	59	9.92	61
GSW03□T10N	10	G,J,K	250	31	4.80	0.130	700	10.0	66	10.6	83
GSW03□T11N	11	G,J,K	250	31	4.00	0.086	700	11.3	53	12.1	56
GSW03□T12N	12	G,J,K	250	35	4.00	0.130	700	12.3	72	13.5	83
GSW03□T15N	15	G,J,K	250	35	4.00	0.170	700	15.4	64	16.8	89
GSW03□T16N	16	G,J,K	250	35	3.30	0.110	700	16.5	55	18.0	52
GSW03□T17N	17	G,J,K	250	35	3.20	0.170	700	17.6	56	19.4	44
GSW03□T18N	18	G,J,K	250	35	3.10	0.170	700	18.7	70	21.4	69
GSW03□T20N	20	G,J,K	250	40	3.00	0.190	700	20.7	80	23.5	30
GSW03□T22N	22	G,J,K	250	38	3.00	0.190	700	22.8	73	26.1	71
GSW03□T23N	23	G,J,K	250	38	2.85	0.190	700	24.1	71	28	71
GSW03□T24N	24	G,J,K	250	38	2.80	0.130	700	25.7	45	30.9	40
GSW03□T27N	27	G,J,K	250	40	2.80	0.220	600	29.2	74	34.6	65
GSW03□T30N	30	G,J,K	250	40	2.80	0.150	600	31.4	47	39.8	28
GSW03□T33N	33	G,J,K	250	40	2.30	0.220	600	36	67	49.5	42
GSW03□T36N	36	G,J,K	250	37	2.30	0.250	600	39.1	47	48.9	24
GSW03□T39N	39	G,J,K	250	40	2.20	0.250	600	42.7	60	60.2	40
GSW03□T43N	43	G,J,K	200	38	2.00	0.280	600	46.9	44	60.3	21
GSW03□T47N	47	G,J,K	200	38	2.00	0.280	600	52.2	62	77.2	35
GSW03□T51N	51	G,J,K	200	38	1.90	0.280	600	55.5	69	82.2	34
GSW03□T56N	56	G,J,K	200	38	1.90	0.310	600	62.5	56	97.0	26
GSW03□T62N	62	G,J,K	200	37	1.80	0.340	600	68.0	40	110.0	10
GSW03□T68N	68	G,J,K	200	37	1.70	0.340	600	80.5	54	168.0	21
GSW03□T72N	72	G,J,K	150	34	1.70	0.490	600	82.0	53	135.0	20
GSW03□T82N	82	G,J,K	150	34	1.70	0.540	400	96.2	54	177.0	21
GSW03□T91N	91	G,J,K	150	30	1.70	0.500	400	110	50	416.4	6
GSW03□TR10	100	G,J,K	150	34	1.40	0.580	400	124	49	319.5	13
GSW03□TR11	110	G,J,K	150	32	1.35	0.610	300	138	43	342.7	15
GSW03□TR12	120	G,J,K	150	32	1.30	0.650	300	166	39	529.3	8

Standard Electrical Specifications
GSW03 Wire Wound Chip Inductors / Standard Type

PART No.	L (nH)	Tolerance	L Freq. (MHz)	Q Min	SRF Min(GHz)	DCR Max(Ω)	IDC Max(mA)	900MHz		1.7GHz	
								L	Q	L	Q
GSW03□TR13	130	G,J,K	150	30	1.40	0.720	300	185.0	60	-	-
GSW03□TR14	140	G,J,K	100	28	1.30	0.870	280	190.0	80	-	-
GSW03□TR15	150	G,J,K	100	28	1.30	0.950	280	230.0	25	-	-
GSW03□TR16	160	G,J,K	100	25	1.30	1.400	280	215.0	20	-	-
GSW03□TR18	180	G,J,K	100	25	1.25	1.400	250	305.0	22	-	-
GSW03□TR22	220	G,J,K	100	25	1.20	1.600	250	377.0	21	-	-
GSW03□TR26	260	G,J,K	100	25	1.00	2.000	200	469.0	21	-	-
GSW03□TR27	270	G,J,K	100	25	0.90	2.100	200	523.0	19	-	-
GSW03□TR28	280	G,J,K	100	25	1.00	2.400	100	524.0	18	-	-
GSW03□TR30	300	G,J,K	100	25	0.75	2.500	150	539.7	21	-	-
GSW03□TR33	330	G,J,K	100	25	0.9	3.800	100	680.4	20	-	-
GSW03□TR39	390	G,J,K	100	25	0.9	4.350	100	734.5	29	-	-
GSW03□TR47	470	G,J,K	100	23	0.6	3.600	80	-	-	-	-

GSW05 Wire Wound Chip Inductors / Standard Type

PART No.	L (nH)	Tolerance	L Freq. (MHz)	Q Min	SRF Min(GHz)	DCR Max(Ω)	IDC Max(mA)
GSW05□T2N7	2.7	J, K	250	80 @ 1500MHz	7.900	0.06	800
GSW05□T2N8	2.8	J, K	250	80 @ 1500MHz	7.900	0.06	800
GSW05□T3N0	3.0	J, K	250	65 @ 1500MHz	7.900	0.06	800
GSW05□T3N3	3.3	J, K	250	50 @ 1500MHz	6.000	0.08	600
GSW05□T5N6	5.6	J, K	250	65 @ 1000MHz	5.500	0.08	600
GSW05□T6N2	6.2	J, K	250	50 @ 1000MHz	5.500	0.11	600
GSW05□T6N8	6.8	J, K	250	50 @ 1000MHz	5.500	0.11	600
GSW05□T7N5	7.5	J, K	250	50 @ 1000MHz	4.500	0.14	600
GSW05□T8N2	8.2	J, K	250	50 @ 1000MHz	4.700	0.12	600
GSW05□T8N7	8.7	J, K	250	50 @ 1000MHz	4.000	0.21	400
GSW05□T10N	10	G,J,K	250	60 @ 500MHz	4.200	0.10	600
GSW05□T12N	12	G,J,K	250	50 @ 500MHz	4.000	0.15	600
GSW05□T15N	15	G,J,K	250	50 @ 500MHz	3.400	0.17	600
GSW05□T18N	18	G,J,K	250	50 @ 500MHz	3.300	0.20	600
GSW05□T22N	22	G,J,K	250	55 @ 500MHz	2.600	0.22	500
GSW05□T24N	24	G,J,K	250	50 @ 500MHz	2.000	0.22	500
GSW05□T27N	27	G,J,K	250	55 @ 500MHz	2.500	0.25	500
GSW05□T33N	33	G,J,K	250	60 @ 500MHz	2.050	0.27	500
GSW05□T36N	36	G,J,K	250	55 @ 500MHz	1.700	0.27	500
GSW05□T39N	39	G,J,K	250	60 @ 500MHz	2.000	0.29	500
GSW05□T43N	43	G,J,K	200	60 @ 500MHz	1.650	0.34	500
GSW05□T47N	47	G,J,K	200	60 @ 500MHz	1.650	0.31	500
GSW05□T56N	56	G,J,K	200	60 @ 500MHz	1.550	0.34	500
GSW05□T68N	68	G,J,K	200	60 @ 500MHz	1.450	0.38	500
GSW05□T72N	72	G,J,K	150	65 @ 500MHz	1.400	0.4	500
GSW05□T82N	82	G,J,K	150	65 @ 500MHz	1.300	0.42	400
GSW05□T91N	91	G,J,K	150	65 @ 500MHz	1.200	0.48	400
GSW05□TR10	100	G,J,K	150	65 @ 500MHz	1.200	0.46	400
GSW05□TR11	110	G,J,K	150	50 @ 250MHz	1.000	0.48	400

Standard Electrical Specifications
GSW05 Wire Wound Chip Inductors / Standard Type

PART No.	L (nH)	Tolerance	L Freq. (MHz)	Q Min	SRF Min(GHz)	DCR Max(Ω)	IDC Max(mA)
GSW05□TR12	120	G,J,K	150	50 @ 250MHz	1.100	0.51	400
GSW05□TR15	150	G,J,K	100	50 @ 250MHz	0.920	0.56	400
GSW05□TR18	180	G,J,K	100	50 @ 250MHz	0.870	0.64	400
GSW05□TR20	200	G,J,K	100	50 @ 250MHz	0.860	0.66	400
GSW05□TR22	220	G,J,K	100	50 @ 250MHz	0.850	0.70	400
GSW05□TR24	240	G,J,K	100	44 @ 250MHz	0.690	1.00	350
GSW05□TR25	250	G,J,K	100	50 @ 250MHz	0.680	1.00	350
GSW05□TR27	270	G,J,K	100	48 @ 250MHz	0.650	1.00	350
GSW05□TR30	300	G,J,K	100	48 @ 250MHz	0.620	1.20	330
GSW05□TR33	330	G,J,K	100	48 @ 250MHz	0.600	1.40	310
GSW05□TR36	360	G,J,K	100	48 @ 250MHz	0.580	1.45	300
GSW05□TR39	390	G,J,K	100	48 @ 250MHz	0.560	1.50	290
GSW05□TR43	430	G,J,K	50	33 @ 100MHz	0.430	1.70	230
GSW05□TR47	470	G,J,K	50	33 @ 100MHz	0.375	1.70	250
GSW05□TR56	560	G,J,K	25	23 @ 50MHz	0.340	1.90	230
GSW05□TR60	600	G,J,K	25	23 @ 50MHz	0.260	1.60	450
GSW05□TR62	620	G,J,K	25	23 @ 50MHz	0.220	2.20	210
GSW05□TR68	680	G,J,K	25	23 @ 50MHz	0.200	2.20	190
GSW05□TR75	750	G,J,K	25	23 @ 50MHz	0.200	2.30	180
GSW05□TR82	820	G,J,K	25	23 @ 50MHz	0.200	2.35	180
GSW05□T1R0	1000	G,J,K	25	20 @ 50MHz	0.100	2.50	170
GSW05□T1R2	1200	G,J,K	7.9	18 @ 25MHz	0.100	2.50	170
GSW05□T1R5	1500	G,J,K	7.9	16 @ 25MHz	0.100	2.50	170
GSW05□T1R8	1800	G,J,K	7.9	16 @ 7.9MHz	0.080	2.50	170
GSW05□T2R2	2200	G,J,K	7.9	16 @ 7.9MHz	0.060	2.70	160
GSW05□T2R7	2700	G,J,K	7.9	16 @ 7.9MHz	0.050	3.10	150
GSW05□T3R3	3300	G,J,K	7.9	15 @ 7.9MHz	0.040	4.40	90
GSW05□T4R7	4700	G,J,K	7.9	15 @ 7.9MHz	0.040	6.40	90

Standard Electrical Specifications

GSW08 Wire Wound Chip Inductors / Standard Type

PART No.	L (nH)	Tolerance	L Freq. (MHz)	Q Min	SRF Min(GHz)	DCR Max(Ω)	IDC Max(mA)
GSW08□T5N6	5.6	J,K	50	50 @ 1500MHz	4.000	0.15	1000
GSW08□T10N	10	G,J,K	50	50 @ 500MHz	4.100	0.08	1000
GSW08□T12N	12	G,J,K	50	50 @ 500MHz	3.300	0.09	1000
GSW08□T15N	15	G,J,K	50	50 @ 500MHz	2.500	0.11	1000
GSW08□T18N	18	G,J,K	50	50 @ 350MHz	2.400	0.12	1000
GSW08□T22N	22	G,J,K	50	55 @ 350MHz	2.400	0.12	1000
GSW08□T24N	24	G,J,K	50	55 @ 350MHz	1.900	0.13	1000
GSW08□T27N	27	G,J,K	50	55 @ 350MHz	1.600	0.13	1000
GSW08□T33N	33	G,J,K	50	60 @ 350MHz	1.600	0.14	1000
GSW08□T36N	36	G,J,K	50	60 @ 350MHz	1.600	0.15	1000
GSW08□T39N	39	G,J,K	50	60 @ 350MHz	1.500	0.15	1000
GSW08□T47N	47	G,J,K	50	65 @ 350MHz	1.500	0.16	1000
GSW08□T56N	56	G,J,K	50	65 @ 350MHz	1.300	0.18	1000
GSW08□T62N	62	G,J,K	50	65 @ 350MHz	1.250	0.20	1000
GSW08□T68N	68	G,J,K	50	65 @ 350MHz	1.300	0.20	1000
GSW08□T75N	75	G,J,K	50	60 @ 350MHz	1.100	0.21	1000
GSW08□T82N	82	G,J,K	50	60 @ 350MHz	1.000	0.22	1000
GSW08□T91N	91	G,J,K	50	50 @ 350MHz	1.000	0.45	1000
GSW08□TR10	100	G,J,K	25	60 @ 350MHz	1.000	0.56	650
GSW08□TR12	120	G,J,K	25	60 @ 350MHz	0.950	0.63	650
GSW08□TR15	150	G,J,K	25	45 @ 100MHz	0.850	0.70	800
GSW08□TR18	180	G,J,K	25	45 @ 100MHz	0.750	0.77	620
GSW08□TR22	220	G,J,K	25	45 @ 100MHz	0.700	0.84	500
GSW08□TR24	240	G,J,K	25	45 @ 100MHz	0.650	0.88	500
GSW08□TR27	270	G,J,K	25	45 @ 100MHz	0.600	0.91	690
GSW08□TR30	300	G,J,K	25	45 @ 100MHz	0.585	1.00	450
GSW08□TR33	330	G,J,K	25	45 @ 100MHz	0.570	1.05	450
GSW08□TR36	360	G,J,K	25	45 @ 100MHz	0.530	1.10	470
GSW08□TR39	390	G,J,K	25	45 @ 100MHz	0.500	1.12	630
GSW08□TR43	430	G,J,K	25	45 @ 100MHz	0.480	1.15	470
GSW08□TR47	470	G,J,K	25	45 @ 100MHz	0.450	1.19	470
GSW08□TR56	560	G,J,K	25	45 @ 100MHz	0.415	1.33	580
GSW08□TR62	620	G,J,K	25	45 @ 100MHz	0.375	1.40	300
GSW08□TR68	680	G,J,K	25	45 @ 100MHz	0.375	1.47	540
GSW08□TR75	750	G,J,K	25	45 @ 100MHz	0.360	1.54	360
GSW08□TR82	820	G,J,K	25	45 @ 100MHz	0.350	1.61	400
GSW08□TR91	910	G,J,K	25	35 @ 50MHz	0.320	1.68	380
GSW08□T1R0	1000	G,J,K	25	35 @ 50MHz	0.290	1.75	370
GSW08□T1R2	1200	G,J,K	7.9	35 @ 50MHz	0.250	2.00	310
GSW08□T1R5	1500	G,J,K	7.9	28 @ 50MHz	0.200	2.30	330
GSW08□T1R8	1800	G,J,K	7.9	28 @ 50MHz	0.160	2.60	300
GSW08□T2R2	2200	G,J,K	7.9	28 @ 50MHz	0.160	2.80	280
GSW08□T2R7	2700	G,J,K	7.9	22 @ 25MHz	0.140	3.20	290
GSW08□T3R3	3300	G,J,K	7.9	22 @ 25MHz	0.110	3.40	290
GSW08□T3R9	3900	G,J,K	7.9	18 @ 25MHz	0.100	3.60	260
GSW08□T4R7	4700	G,J,K	7.9	18 @ 25MHz	0.090	4.00	260
GSW08□T5R6	5600	G,J,K	7.9	16 @ 7.96MHz	0.020	4.00	240
GSW08□T6R8	6800	G,J,K	7.9	15 @ 7.96MHz	0.040	4.90	200
GSW08□T8R2	8200	G,J,K	7.9	15 @ 7.96MHz	0.025	6.00	170
GSW08□T103	10000	G,J,K	2.52	15 @ 7.96MHz	0.020	9.00	150
GSW08□T123	12000	G,J,K	2.52	15 @ 7.96MHz	0.018	10.5	130
GSW08□T153	15000	G,J,K	2.52	15 @ 7.96MHz	0.015	11.5	120

Standard Electrical Specifications

GSW06 Wire Wound Chip Inductors / Standard Type

PART No.	L (nH)	Tolerance	L Freq. (MHz)	Q Min	SRF Min(GHz)	DCR Max(Ω)	IDC Max(mA)
GSW06□T6N8	6.8	J,K	100	30 @ 300MHz	5.50	0.07	1000
GSW06□T10N	10	J,K	100	40 @ 300MHz	4.00	0.08	1000
GSW06□T12N	12	J,K	100	40 @ 300MHz	3.20	0.08	1000
GSW06□T15N	15	J,K	100	40 @ 300MHz	3.20	0.10	1000
GSW06□T18N	18	J,K	100	50 @ 300MHz	2.80	0.10	1000
GSW06□T22N	22	J,K	100	50 @ 300MHz	2.20	0.10	1000
GSW06□T24N	24	J,K	100	50 @ 300MHz	2.00	0.10	1000
GSW06□T27N	27	G,J,K	100	50 @ 300MHz	1.80	0.11	1000
GSW06□T33N	33	G,J,K	100	55 @ 300MHz	1.80	0.11	1000
GSW06□T39N	39	G,J,K	100	55 @ 300MHz	1.80	0.12	1000
GSW06□T47N	47	G,J,K	100	55 @ 300MHz	1.50	0.13	1000
GSW06□T56N	56	G,J,K	100	55 @ 300MHz	1.45	0.14	1000
GSW06□T62N	62	G,J,K	100	55 @ 300MHz	1.20	0.20	1000
GSW06□T68N	68	G,J,K	100	55 @ 300MHz	1.20	0.26	950
GSW06□T82N	82	G,J,K	100	55 @ 300MHz	1.20	0.21	920
GSW06□T91N	91	G,J,K	100	55 @ 300MHz	1.10	0.24	900
GSW06□TR10	100	G,J,K	100	55 @ 300MHz	1.10	0.26	850
GSW06□TR12	120	G,J,K	100	55 @ 300MHz	0.75	0.26	800
GSW06□TR15	150	G,J,K	100	60 @ 300MHz	0.95	0.31	750
GSW06□TR18	180	G,J,K	50	55 @ 300MHz	0.90	0.43	700
GSW06□TR22	220	G,J,K	50	55 @ 300MHz	0.76	0.50	670
GSW06□TR27	270	G,J,K	50	55 @ 300MHz	0.74	0.56	630
GSW06□TR30	300	G,J,K	50	50 @ 150MHz	0.68	0.60	600
GSW06□TR33	330	G,J,K	50	45 @ 150MHz	0.65	0.62	590
GSW06□TR36	360	G,J,K	50	45 @ 150MHz	0.60	0.65	550
GSW06□TR39	390	G,J,K	50	45 @ 150MHz	0.60	0.75	530
GSW06□TR47	470	G,J,K	50	45 @ 150MHz	0.55	1.30	490
GSW06□TR56	560	G,J,K	35	45 @ 150MHz	0.47	1.34	460
GSW06□TR62	620	G,J,K	35	45 @ 150MHz	0.47	1.58	460
GSW06□TR68	680	G,J,K	35	45 @ 150MHz	0.45	1.58	430
GSW06□TR75	750	G,J,K	35	45 @ 150MHz	0.44	2.25	320
GSW06□TR82	820	G,J,K	35	45 @ 150MHz	0.42	1.82	400
GSW06□TR91	910	G,J,K	35	45 @ 150MHz	0.41	2.95	310
GSW06□T1R0	1000	G,J,K	35	45 @ 150MHz	0.40	2.80	320
GSW06□T1R2	1200	G,J,K	35	45 @ 150MHz	0.38	3.20	300

High Current Electrical Specifications

GSW03 Wire Wound Chip Inductors / High Current Type

PART No.	L (nH)	Tolerance	L Freq. (MHz)	Q Min	SRF Min(GHz)	DCR Max(Ω)	IDC Max(mA)
GSW03□TH1N6	1.6	J,K	250	24	12.50	0.030	2400
GSW03□TH3N6	3.6	J,K	250	24	5.90	0.048	2300
GSW03□TH3N9	3.9	J,K	250	25	5.90	0.054	2200
GSW03□TH6N8	6.8	J,K	250	35	5.80	0.054	2100
GSW03□TH7N5	7.5	J,K	250	38	3.70	0.059	2100
GSW03□TH8N2	8.2	J,K	250	38	3.70	0.060	2000
GSW03□TH10N	10	G,J,K	250	38	3.70	0.071	2000
GSW03□TH12N	12	G,J,K	250	38	3.00	0.075	2000
GSW03□TH15N	15	G,J,K	250	38	2.80	0.080	1900
GSW03□TH18N	18	G,J,K	250	40	2.80	0.099	1900
GSW03□TH22N	22	G,J,K	250	42	2.40	0.099	1800
GSW03□TH24N	24	G,J,K	250	42	2.40	0.105	1800

High Q Electrical Specifications
GSW02 Wire Wound Chip Inductors /High Q Type

PART No.	L (nH)	Tolerance	L Freq. (MHz)	Q		SRF Min(GHz)	DCR Max(Ω)	IDC Max(mA)
				900MHz	1.7GHz			
GSW02□TP1N0	1.0	C,D,J,K	250	46	75	16.0	0.030	2300
GSW02□TP2N0	2.0	C,D,J,K	250	58	85	15.2	0.038	2100
GSW02□TP2N2	2.2	C,D,J,K	250	60	86	15.1	0.038	2100
GSW02□TP2N4	2.4	C,D,J,K	250	60	83	14.0	0.042	2000
GSW02□TP2N7	2.7	C,D,J,K	250	62	85	13.0	0.056	1500
GSW02□TP3N3	3.3	D,H,J,K	250	66	95	12.8	0.045	1700
GSW02□TP3N6	3.6	D,H,J,K	250	65	94	11.7	0.045	1700
GSW02□TP3N9	3.9	D,H,J,K	250	64	98	9.50	0.045	1700
GSW02□TP4N3	4.3	D,H,J,K	250	63	90	7.15	0.045	1600
GSW02□TP4N7	4.7	D,H,J,K	250	58	83	6.85	0.060	1500
GSW02□TP5N1	5.1	G,H,J,K	250	54	76	6.80	0.100	1200
GSW02□TP5N6	5.6	G,H,J,K	250	73	105	6.50	0.048	1600
GSW02□TP6N2	6.2	G,H,J,K	250	73	100	5.80	0.050	1600
GSW02□TP6N8	6.8	G,H,J,K	250	68	94	5.80	0.055	1500
GSW02□TP7N5	7.5	G,H,J,K	250	60	82	5.40	0.080	1400
GSW02□TP8N2	8.2	G,H,J,K	250	68	95	5.40	0.058	1500
GSW02□TP8N7	8.7	G,H,J,K	250	68	95	5.00	0.058	1500
GSW02□TP9N0	9.0	G,H,J,K	250	67	92	5.00	0.080	1400
GSW02□TP9N5	9.5	G,H,J,K	250	64	90	4.70	0.080	1400
GSW02□TP10N	10	G,H,J,K	250	62	90	4.70	0.085	1300
GSW02□TP11N	11	G,H,J,K	250	68	98	4.70	0.065	1400
GSW02□TP12N	12	G,H,J,K	250	66	100	4.40	0.090	1200
GSW02□TP13N	13	G,H,J,K	250	62	82	4.20	0.140	870
GSW02□TP15N	15	G,H,J,K	250	62	85	3.90	0.110	1100
GSW02□TP16N	16	G,H,J,K	250	57	77	3.70	0.130	850
GSW02□TP18N	18	G,H,J,K	250	58	74	3.55	0.120	900
GSW02□TP19N	19	G,H,J,K	250	61	88	3.50	0.145	850
GSW02□TP20N	20	G,H,J,K	250	58	76	3.50	0.185	780
GSW02□TP21N	21	G,H,J,K	250	48	62	1.70	0.460	450
GSW02□TP22N	22	G,H,J,K	250	60	74	3.30	0.160	800
GSW02□TP23N	23	G,H,J,K	250	60	77	3.30	0.160	800
GSW02□TP24N	24	G,H,J,K	250	55	71	3.15	0.190	700
GSW02□TP25N	25	G,H,J,K	250	57	73	3.15	0.230	600
GSW02□TP26N	26	G,H,J,K	250	56	74	3.15	0.275	450
GSW02□TP27N	27	G,H,J,K	250	62	86	3.20	0.275	450
GSW02□TP30N	30	G,H,J,K	250	61	87	2.90	0.330	450
GSW02□TP33N	33	G,H,J,K	250	61	80	2.80	0.330	490
GSW02□TP36N	36	G,H,J,K	250	59	76	2.80	0.360	480
GSW02□TP37N	37	G,H,J,K	250	57	72	2.70	0.480	470
GSW02□TP39N	39	G,H,J,K	250	56	84	2.60	0.430	450
GSW02□TP40N	40	G,H,J,K	250	56	75	2.60	0.430	450
GSW02□TP43N	43	G,H,J,K	250	52	68	2.50	0.520	450
GSW02□TP47N	47	G,H,J,K	250	48	62	2.40	0.580	420
GSW02□TP51N	51	G,H,J,K	250	52	59	2.30	0.700	360

High Q Electrical Specifications

GSW05 Wire Wound Chip Inductors / High Q Type

PART No.	L (nH)	Tolerance	L Freq. (MHz)	Q Min	SRF Min(GHz)	DCR Max(Ω)	IDC Max(mA)
GSW05□TH3N3	2.5	J,K	250	80 @ 1500MHz	6.00	0.020	1600
GSW05□TH5N6	5.6	J,K	250	98 @ 1500MHz	6.00	0.035	1600
GSW05□TH6N2	6.2	J,K	250	88 @ 1000MHz	4.75	0.035	1600
GSW05□TH6N8	6.8	J,K	250	80 @ 1000MHz	4.40	0.035	1600
GSW05□TH8N2	8.2	J,K	250	75 @ 1000MHz	3.00	0.075	1000
GSW05□TH10N	10	J,K	250	80 @ 1000MHz	3.00	0.060	1600
GSW05□TH12N	12	J,K	250	80 @ 1000MHz	3.00	0.045	1600
GSW05□TH15N	15	G,J,K	250	80 @ 1000MHz	2.80	0.100	1200
GSW05□TH16N	16	G,J,K	250	72 @ 500MHz	2.95	0.060	1500
GSW05□TH18N	18	G,J,K	250	75 @ 500MHz	2.55	0.060	1400
GSW05□TH20N	20	G,J,K	250	70 @ 500MHz	2.05	0.055	1400
GSW05□TH22N	22	G,J,K	250	80 @ 500MHz	2.00	0.100	1200
GSW05□TH27N	27	G,J,K	250	75 @ 500MHz	2.00	0.070	1300
GSW05□TH30N	30	G,J,K	250	65 @ 500MHz	1.95	0.095	1200
GSW05□TH39N	39	G,J,K	250	65 @ 500MHz	1.60	0.110	1100
GSW05□TH48N	48	G,J,K	200	65 @ 500MHz	1.40	0.095	1200
GSW05□TH51N	51	G,J,K	200	65 @ 500MHz	1.40	0.120	1000

GSW08 Wire Wound Chip Inductors / High Q Type

PART No.	L (nH)	Tolerance	L Freq. (MHz)	Q Min	SRF Min(GHz)	DCR Max(Ω)	IDC Max(mA)
GSW08□TH3N0	3.0	J,K	50	70 @ 1500MHz	6.00	0.04	1600
GSW08□TH3N9	3.9	J,K	50	75 @ 1500MHz	6.00	0.05	1600
GSW08□TH4N1	4.1	J,K	50	75 @ 1500MHz	6.00	0.05	1600
GSW08□TH7N8	7.8	J,K	50	75 @ 500MHz	3.80	0.05	1600
GSW08□TH10N	10	G,J,K	50	60 @ 500MHz	3.60	0.06	1600
GSW08□TH12N	12	G,J,K	50	70 @ 500MHz	2.80	0.06	1500
GSW08□TH18N	18	G,J,K	50	62 @ 350MHz	2.70	0.07	1400
GSW08□TH22N	22	G,J,K	50	62 @ 350MHz	2.05	0.07	1400
GSW08□TH33N	33	G,J,K	50	75 @ 350MHz	1.70	0.09	1300
GSW08□TH39N	39	G,J,K	50	75 @ 350MHz	1.30	0.09	1300
GSW08□TH47N	47	G,J,K	50	75 @ 350MHz	1.45	0.12	1200
GSW08□TH56N	56	G,J,K	50	75 @ 350MHz	1.23	0.12	1200
GSW08□TH68N	68	G,J,K	50	80 @ 350MHz	1.15	0.13	1100
GSW08□TH82N	82	G,J,K	50	80 @ 350MHz	1.06	0.16	1100
GSW08□THR10	100	G,J,K	50	50 @ 350MHz	0.82	0.16	1000