

CHIP INDUCTOR
WIRE WOUND TYPE

SWI 1008 (2520) CERAMIC SERIES

Specification						
Part No.	Inductance ¹ (nH)	Percent Tolerance	Q ² Min	S.R.F. ³ Min (MHZ)	RDC ⁴ Max (OHM)	IDC ⁵ Max (MA)
SWI 1008 CT 3N3	3.3 @ 100 MHZ	B, S	50 @ 1000 MHZ	6000	0.06	1000
SWI 1008 CT 6N8	6.8 @ 100 MHZ	K, J, G	50 @ 1000 MHZ	5500	0.06	1000
SWI 1008 CT 8N2	8.2 @ 100 MHZ	K, J, G	50 @ 1000 MHZ	5500	0.06	1000
SWI 1008 CT 10N	10 @ 100 MHZ	K, J, G	50 @ 1000 MHZ	4300	0.08	1000
SWI 1008 CT 12N	12 @ 100 MHZ	K, J, G	60 @ 500 MHZ	3600	0.08	1000
SWI 1008 CT 15N	15 @ 100 MHZ	K, J, G	60 @ 500 MHZ	2700	0.08	1000
SWI 1008 CT 18N	18 @ 100 MHZ	K, J, G	60 @ 350 MHZ	2700	0.10	1000
SWI 1008 CT 22N	22 @ 100 MHZ	K, J, G	60 @ 350 MHZ	2500	0.10	1000
SWI 1008 CT 27N	27 @ 100 MHZ	K, J, G	60 @ 350 MHZ	1800	0.10	1000
SWI 1008 CT 33N	33 @ 100 MHZ	K, J, G	60 @ 350 MHZ	1700	0.10	1000
SWI 1008 CT 39N	39 @ 100 MHZ	K, J, G	60 @ 350 MHZ	1500	0.10	1000
SWI 1008 CT 47N	47 @ 100 MHZ	K, J, G	60 @ 350 MHZ	1500	0.10	1000
SWI 1008 CT 56N	56 @ 100 MHZ	K, J, G	60 @ 350 MHZ	1350	0.12	1000
SWI 1008 CT 68N	68 @ 100 MHZ	K, J, G	60 @ 350 MHZ	1300	0.15	1000
SWI 1008 CT 82N	82 @ 100 MHZ	K, J, G	60 @ 350 MHZ	1100	0.18	1000
SWI 1008 CT R10	100 @ 100 MHZ	K, J, G	60 @ 350 MHZ	1100	0.18	1000
SWI 1008 CT R12	120 @ 25 MHZ	K, J, G	45 @ 100 MHZ	950	0.20	800
SWI 1008 CT R15	150 @ 25 MHZ	K, J, G	45 @ 100 MHZ	880	0.22	800
SWI 1008 CT R18	180 @ 25 MHZ	K, J, G	45 @ 100 MHZ	800	0.33	800
SWI 1008 CT R22	220 @ 25 MHZ	K, J, G	45 @ 100 MHZ	730	0.45	800
SWI 1008 CT R27	270 @ 25 MHZ	K, J, G	45 @ 100 MHZ	650	0.75	600
SWI 1008 CT R33	330 @ 25 MHZ	K, J, G	45 @ 100 MHZ	570	0.90	500
SWI 1008 CT R39	390 @ 25 MHZ	K, J, G	45 @ 100 MHZ	530	1.06	470
SWI 1008 CT R47	470 @ 25 MHZ	K, J, G	45 @ 100 MHZ	480	1.17	420
SWI 1008 CT R56	560 @ 25 MHZ	K, J, G	45 @ 100 MHZ	430	1.50	310
SWI 1008 CT R68	680 @ 25 MHZ	K, J, G	45 @ 100 MHZ	380	2.06	230
SWI 1008 CT R75	750 @ 25 MHZ	K, J, G	45 @ 100 MHZ	360	2.20	200
SWI 1008 CT R82	820 @ 25 MHZ	K, J, G	45 @ 100 MHZ	350	2.30	180
SWI 1008 CT R91	910 @ 25 MHZ	K, J, G	45 @ 100 MHZ	330	3.18	150
SWI 1008 CT 1R0	1000 @ 25 MHZ	K, J, G	35 @ 50 MHZ	310	3.30	120

1. Inductance is measured in HP-4286A RF LCR meter with HP-16193 fixture.

2. Q is measured in HP-4286A RF LCR meter with HP-16193 fixture.

3. SRF is measured in HP-8753E RF network analyzer with HP-16193 fixture.

4. RDC is measured in HP-4338B millohmeter.

5. For 15 °C Rise.

CHIP INDUCTOR
WIRE WOUND TYPE

SWI 1008 (2520) FERRITE SERIES

Specification						
Part No.	Inductance ¹ (uH)	Percent Tolerance	Q ² Min	S.R.F. ³ Min (MHZ)	RDC ⁴ Max (OHM)	IDC ⁵ Max (MA)
SWI 1008 FT 1R2	1.2 @ 7.96 MHZ	K, J, G	25 @ 7.96 MHZ	280	1.30	230
SWI 1008 FT 1R5	1.5 @ 7.96 MHZ	K, J, G	25 @ 7.96 MHZ	250	1.65	220
SWI 1008 FT 1R8	1.8 @ 7.96 MHZ	K, J, G	25 @ 7.96 MHZ	200	2.20	210
SWI 1008 FT 2R2	2.2 @ 7.96 MHZ	K, J, G	25 @ 7.96 MHZ	160	2.35	200
SWI 1008 FT 2R7	2.7 @ 7.96 MHZ	K, J, G	25 @ 7.96 MHZ	130	2.60	195
SWI 1008 FT 3R3	3.3 @ 7.96 MHZ	K, J, G	25 @ 7.96 MHZ	80	2.85	185
SWI 1008 FT 3R9	3.9 @ 7.96 MHZ	K, J, G	25 @ 7.96 MHZ	50	4.00	180
SWI 1008 FT 4R7	4.7 @ 7.96 MHZ	K, J, G	25 @ 7.96 MHZ	45	4.30	175
SWI 1008 FT 5R6	5.6 @ 7.96 MHZ	K, J, G	25 @ 7.96 MHZ	42	2.60	170
SWI 1008 FT 6R8	6.8 @ 7.96 MHZ	K, J, G	25 @ 7.96 MHZ	39	2.80	165
SWI 1008 FT 8R2	8.2 @ 7.96 MHZ	K, J, G	25 @ 7.96 MHZ	36	3.05	160
SWI 1008 FT 100	10 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	33	3.50	150
SWI 1008 FT 120	12 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	30	3.60	140
SWI 1008 FT 150	15 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	26	3.80	130
SWI 1008 FT 180	18 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	24	4.50	120
SWI 1008 FT 220	22 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	22	4.80	110
SWI 1008 FT 270	27 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	21	5.30	95
SWI 1008 FT 330	33 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	20	6.10	85
SWI 1008 FT 390	39 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	18	8.30	60
SWI 1008 FT 470	47 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	17	11.40	45

1. Inductance is measured in HP-4285A Precision LCR meter/
HP-4286A RF LCR meter with HP-16193 fixture.

2. Q is measured in HP-4285A Precision LCR meter,
HP-4286A RF LCR meter with HP-16193 fixture.

3. SRF is measured in HP-8753E RF network analyzer
with HP-16193 fixture.

4. RDC is measured in HP-4338B millohmeter.

5. For 15 °C Rise.