

CHIP INDUCTOR
WIRE WOUND TYPE

SWI 1210 CERAMIC SERIES (3225)

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 1210 CT 4N7	4.7 @ 100 MHZ	B, S	50 @ 1000 MHZ	6000	0.06	1000
SWI 1210 CT 5N6	5.6 @ 100 MHZ	K, J, G	50 @ 1000 MHZ	5500	0.08	1000
SWI 1210 CT 10N	10 @ 100 MHZ	K, J, G	60 @ 500 MHZ	4000	0.06	1000
SWI 1210 CT 12N	12 @ 100 MHZ	K, J, G	60 @ 500 MHZ	3400	0.06	1000
SWI 1210 CT 15N	15 @ 100 MHZ	K, J, G	60 @ 500 MHZ	3200	0.06	1000
SWI 1210 CT 18N	18 @ 100 MHZ	K, J, G	60 @ 300 MHZ	2800	0.06	1000
SWI 1210 CT 22N	22 @ 100 MHZ	K, J, G	60 @ 300 MHZ	2300	0.08	1000
SWI 1210 CT 27N	27 @ 100 MHZ	K, J, G	60 @ 300 MHZ	2000	0.08	1000
SWI 1210 CT 33N	33 @ 100 MHZ	K, J, G	60 @ 300 MHZ	1800	0.08	1000
SWI 1210 CT 39N	39 @ 100 MHZ	K, J, G	60 @ 300 MHZ	1800	0.08	1000
SWI 1210 CT 47N	47 @ 100 MHZ	K, J, G	60 @ 300 MHZ	1600	0.08	1000
SWI 1210 CT 56N	56 @ 100 MHZ	K, J, G	60 @ 300 MHZ	1500	0.10	1000
SWI 1210 CT 68N	68 @ 100 MHZ	K, J, G	60 @ 300 MHZ	1300	0.10	1000
SWI 1210 CT 82N	82 @ 100 MHZ	K, J, G	60 @ 300 MHZ	1200	0.10	1000
SWI 1210 CTR10	100 @ 100 MHZ	K, J, G	60 @ 300 MHZ	1100	0.10	1000
SWI 1210 CTR12	120 @ 50 MHZ	K, J, G	60 @ 300 MHZ	900	0.12	800
SWI 1210 CTR15	150 @ 50 MHZ	K, J, G	60 @ 300 MHZ	800	0.18	800
SWI 1210 CTR18	180 @ 50 MHZ	K, J, G	60 @ 300 MHZ	760	0.21	800
SWI 1210 CTR22	220 @ 50 MHZ	K, J, G	60 @ 300 MHZ	660	0.27	800
SWI 1210 CTR27	270 @ 50 MHZ	K, J, G	50 @ 300 MHZ	600	0.33	700
SWI 1210 CTR33	330 @ 50 MHZ	K, J, G	50 @ 100 MHZ	550	0.37	650
SWI 1210 CTR39	390 @ 50 MHZ	K, J, G	50 @ 100 MHZ	500	0.63	600
SWI 1210 CTR47	470 @ 50 MHZ	K, J, G	50 @ 100 MHZ	450	0.69	550
SWI 1210 CTR56	560 @ 50 MHZ	K, J, G	50 @ 100 MHZ	400	0.90	450
SWI 1210 CTR68	680 @ 25 MHZ	K, J, G	50 @ 100 MHZ	380	1.05	400
SWI 1210 CTR82	820 @ 25 MHZ	K, J, G	50 @ 100 MHZ	350	1.45	350
SWI 1210 CT 1R0	1000 @ 25 MHZ	K, J, G	45 @ 100 MHZ	300	1.90	280
SWI 1210 CT 1R2	1200 @ 7.96 MHZ	K, J, G	45 @ 50 MHZ	300	2.20	250
SWI 1210 CT 1R5	1500 @ 7.96 MHZ	K, J, G	45 @ 50 MHZ	250	2.43	220
SWI 1210 CT 1R8	1800 @ 7.96 MHZ	K, J, G	45 @ 50 MHZ	200	3.36	180
SWI 1210 CT 2R2	2200 @ 7.96 MHZ	K, J, G	45 @ 50 MHZ	200	3.50	150

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 milliohmmeter.

5. For 15 °C Rise.

**CHIP INDUCTOR
WIRE WOUND TYPE**

SWI 1210 (3225) FERRITE SERIES

Specification						
Part No.	Inductance ¹ (uH)	Percent Tolerance	Q ² Min	S.R.F. ³	RDC ⁴	IDC ⁵
				Min (MHZ)	Max (OHM)	Max (MA)
SWI 1210 FT 1R2	1.2 @ 7.96 MHZ	K, J, G	30 @ 7.96 MHZ	100	0.70	390
SWI 1210 FT 1R5	1.5 @ 7.96 MHZ	K, J, G	30 @ 7.96 MHZ	85	0.75	370
SWI 1210 FT 1R8	1.8 @ 7.96 MHZ	K, J, G	30 @ 7.96 MHZ	80	0.80	350
SWI 1210 FT 2R2	2.2 @ 7.96 MHZ	K, J, G	30 @ 7.96 MHZ	75	0.90	320
SWI 1210 FT 2R7	2.7 @ 7.96 MHZ	K, J, G	30 @ 7.96 MHZ	70	1.10	290
SWI 1210 FT 3R3	3.3 @ 7.96 MHZ	K, J, G	30 @ 7.96 MHZ	60	1.40	260
SWI 1210 FT 3R9	3.9 @ 7.96 MHZ	K, J, G	30 @ 7.96 MHZ	55	1.70	250
SWI 1210 FT 4R7	4.7 @ 7.96 MHZ	K, J, G	30 @ 7.96 MHZ	50	2.30	220
SWI 1210 FT 5R6	5.6 @ 7.96 MHZ	K, J, G	20 @ 7.96 MHZ	47	1.60	200
SWI 1210 FT 6R8	6.8 @ 7.96 MHZ	K, J, G	20 @ 7.96 MHZ	43	2.20	180
SWI 1210 FT 8R2	8.2 @ 7.96 MHZ	K, J, G	20 @ 7.96 MHZ	40	2.40	170
SWI 1210 FT 100	10 @ 2.52 MHZ	K, J, G	20 @ 2.52 MHZ	50	3.28	150
SWI 1210 FT 120	12 @ 2.52 MHZ	K, J, G	20 @ 2.52 MHZ	33	3.40	140
SWI 1210 FT 150	15 @ 2.52 MHZ	K, J, G	20 @ 2.52 MHZ	30	3.90	125
SWI 1210 FT 180	18 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	27	4.20	110
SWI 1210 FT 220	22 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	25	6.00	90
SWI 1210 FT 270	27 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	20	6.80	80
SWI 1210 FT 330	33 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	17	7.00	70
SWI 1210 FT 390	39 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	16	7.80	65
SWI 1210 FT 470	47 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	15	8.20	60
SWI 1210 FT 560	56 @ 2.52 MHZ	K, J, G	15 @ 2.52 MHZ	13	9.10	50
SWI 1210 FT 680	68 @ 2.52 MHZ	K, J, G	12 @ 2.52 MHZ	12	12.40	40
SWI 1210 FT 820	82 @ 2.52 MHZ	K, J, G	12 @ 2.52 MHZ	11	14.00	45
SWI 1210 FT 101	100 @ 2.52 MHZ	K, J, G	12 @ 0.796 MHZ	10	16.60	30

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 milliohmmeter.

5. For 15 °C Rise.