

CHIP INDUCTOR
LASER CUT TYPE

SPI 0402 (1005) CERAMIC SERIES

Specification							
Part No.	Inductance ¹ (nH)	Percent Tolerance	Q ²		S.R.F. ³	RDC ⁴	IDC ⁵
			Min	Typical @800MHz	Min (MHZ)	Max (OHM)	Max (MA)
SPI 0402CT 1N0	1.0 @ 100 MHZ	B, S	8	21	6000	0.05	400
SPI 0402CT 1N2	1.2 @ 100 MHZ	B, S	8	21	6000	0.06	400
SPI 0402CT 1N5	1.5 @ 100 MHZ	B, S	8	21	6000	0.07	400
SPI 0402CT 1N8	1.8 @ 100 MHZ	B, S	8	21	6000	0.08	400
SPI 0402CT 2N2	2.2 @ 100 MHZ	B, S	8	21	6000	0.09	400
SPI 0402CT 2N7	2.7 @ 100 MHZ	B, S	8	21	5500	0.10	400
SPI 0402CT 3N3	3.3 @ 100 MHZ	B, S	8	21	5500	0.12	400
SPI 0402CT 3N9	3.9 @ 100 MHZ	B, S	8	20	5200	0.15	360
SPI 0402CT 4N7	4.7 @ 100 MHZ	B, S	8	20	4800	0.17	360
SPI 0402CT 5N6	5.6 @ 100 MHZ	B, S	8	20	4600	0.19	340
SPI 0402CT 6N8	6.8 @ 100 MHZ	J, G	8	19	4000	0.30	320
SPI 0402CT 8N2	8.2 @ 100 MHZ	J, G	8	19	3500	0.35	320
SPI 0402CT 10N	10 @ 100 MHZ	J, G	8	19	2800	0.41	320
SPI 0402CT 12N	12 @ 100 MHZ	J, G	8	19	2800	0.45	320
SPI 0402CT 15N	15 @ 100 MHZ	J, G	8	19	2500	0.60	240
SPI 0402CT 18N	18 @ 100 MHZ	J, G	8	19	2200	0.70	240
SPI 0402CT 22N	22 @ 100 MHZ	J, G	8	19	2000	0.80	200
SPI 0402CT 27N	27 @ 100 MHZ	J, G	8	19	1800	1.20	200
SPI 0402CT 33N	33 @ 100 MHZ	J, G	8	18	1800	1.40	170
SPI 0402CT 39N	39 @ 100 MHZ	J, G	8	18	1800	1.70	150
SPI 0402CT 47N	47 @ 100 MHZ	J, G	8	17	1800	2.10	140
SPI 0402CT 56N	56 @ 100 MHZ	J, G	8	17	1500	2.50	130
SPI 0402CT 68N	68 @ 100 MHZ	J, G	8	15	1500	4.00	120
SPI 0402CT 82N	82 @ 100 MHZ	J, G	8	15	1400	4.50	110
SPI 0402CT R10	100 @ 100 MHZ	J, G	8	14	1200	5.50	90

1. Inductance is measured in HP-4291B impedance analyzer with HP-16192 fixture.

2. Q is measured in HP-4291B impedance analyzer with HP-16192 fixture.

3. SRF is measured in HP-8753E RF network analyzer with HP-16192 fixture.

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

5. For 15 °C Rise.