

CHIP INDUCTOR
LASER CUT TYPE

SPI 0603 (1608) CERAMIC SERIES

Specification

Part No.	Inductance ¹ (nH)	Percent Tolerance	Q ² Min	S.R.F. ³		RDC ⁴		IDC ⁵ Max (MA)
				Min (MHZ)	Max	Max (OHM)		
SPI 0603 CT 1N0	1.0 @ 100 MHZ	B, S	30 @ 1000 MHZ	6000		0.06		500
SPI 0603 CT 1N2	1.2 @ 100 MHZ	B, S	30 @ 1000 MHZ	6000		0.06		500
SPI 0603 CT 1N5	1.5 @ 100 MHZ	B, S	30 @ 1000 MHZ	6000		0.07		500
SPI 0603 CT 1N8	1.8 @ 100 MHZ	B, S	30 @ 1000 MHZ	6000		0.08		500
SPI 0603 CT 2N2	2.2 @ 100 MHZ	B, S	30 @ 1000 MHZ	6000		0.09		500
SPI 0603 CT 2N7	2.7 @ 100 MHZ	B, S	30 @ 1000 MHZ	6000		0.10		500
SPI 0603 CT 3N3	3.3 @ 100 MHZ	B, S	30 @ 1000 MHZ	5500		0.12		500
SPI 0603 CT 3N9	3.9 @ 100 MHZ	J, G	30 @ 1000 MHZ	5500		0.15		450
SPI 0603 CT 4N7	4.7 @ 100 MHZ	J, G	30 @ 1000 MHZ	4800		0.17		450
SPI 0603 CT 5N6	5.6 @ 100 MHZ	J, G	30 @ 1000 MHZ	4600		0.18		430
SPI 0603 CT 6N8	6.8 @ 100 MHZ	J, G	30 @ 1000 MHZ	3550		0.20		430
SPI 0603 CT 8N2	8.2 @ 100 MHZ	J, G	30 @ 1000 MHZ	3500		0.28		400
SPI 0603 CT 10N	10 @ 100 MHZ	J, G	30 @ 500 MHZ	2800		0.32		400
SPI 0603 CT 12N	12 @ 100 MHZ	J, G	30 @ 500 MHZ	2800		0.35		400
SPI 0603 CT 15N	15 @ 100 MHZ	J, G	30 @ 500 MHZ	2500		0.41		350
SPI 0603 CT 18N	18 @ 100 MHZ	J, G	30 @ 500 MHZ	2300		0.45		350
SPI 0603 CT 22N	22 @ 100 MHZ	J, G	30 @ 500 MHZ	2000		0.50		300
SPI 0603 CT 27N	27 @ 100 MHZ	J, G	30 @ 500 MHZ	2000		0.55		300
SPI 0603 CT 33N	33 @ 100 MHZ	J, G	30 @ 500 MHZ	1800		0.60		300
SPI 0603 CT 39N	39 @ 100 MHZ	J, G	30 @ 500 MHZ	1800		0.80		300
SPI 0603 CT 47N	47 @ 100 MHZ	J, G	30 @ 500 MHZ	1800		0.95		250
SPI 0603 CT 56N	56 @ 100 MHZ	J, G	30 @ 500 MHZ	1800		1.20		250
SPI 0603 CT 68N	68 @ 100 MHZ	J, G	30 @ 500 MHZ	1500		1.30		250
SPI 0603 CT 82N	82 @ 100 MHZ	J, G	30 @ 500 MHZ	1500		1.50		250
SPI 0603 CT R10	100 @ 100 MHZ	J, G	26 @ 500 MHZ	1300		1.80		200
SPI 0603 CT R12	120 @ 100 MHZ	J, G	26 @ 500 MHZ	1200		3.00		130
SPI 0603 CT R15	150 @ 100 MHZ	J, G	26 @ 500 MHZ	1100		4.50		100
SPI 0603 CT R18	180 @ 100 MHZ	J, G	20 @ 500 MHZ	1000		6.50		80
SPI 0603 CT R22	220 @ 100 MHZ	J, G	20 @ 500 MHZ	900		7.50		70

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 milliohmmeter.

5. For 15 °C Rise.