



FEATURES

- ◆ Monolithic construction yields high reliability
- ◆ High self-resonant frequency.
- ◆ Excellent solderability and heat resistance for either flow or reflow soldering.

APPLICATIONS

- ◆ High frequency circuits of telecommunication.
- ◆ Mobile phones such as GSM, CDMA, PDC, etc.
- ◆ Bluetooth.
- ◆ Other High frequency circuits in geneSRAL.

PRODUCT IDENTIFICATION

TGRCI 0805 100 J T 00
a b c d e f

a: Series name

b: Product dimensions

c: Inductance Value

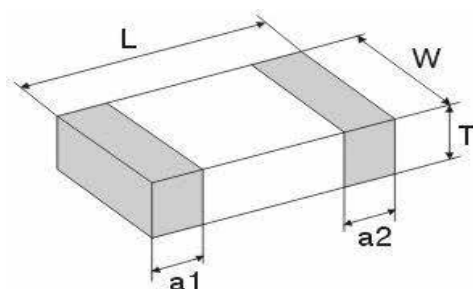
(1N0:1.0nH、 10N: 10nH、 R10:100nH)

d: Inductance Tolerance (J:5%、 K:10%、 M:20%)

e: Package(T:Tape/Reel、 B: Bulk)

f: Numbering (standard)

SHAPES AND DIMENSIONS



Type	Dimensions (mm) [inch]			
	L	W	T	a1 a2
0201 [0603]	0.60±0.05 [0.024±0.002]	0.30±0.05 [0.012±0.002]	0.30±0.05 [0.012±0.002]	0.10±0.20 [0.004~0.008]
0402 [1005]	1.00±0.15 [0.04±0.006]	0.50±0.15 [0.02±0.006]	0.50±0.15 [0.02±0.006]	0.25±0.10 [0.01±0.004]
0603 [1608]	1.60±0.15 [0.063±0.006]	0.80±0.15 [0.031±0.006]	0.80±0.15 [0.031±0.006]	0.30±0.20 [0.012±0.008]
0805 [2012]	2.00±0.20 [0.079±0.008]	1.25±0.20 [0.049±0.008]	0.85±0.20 [0.033±0.008]	0.50±0.30 [0.02±0.012]

Part Number	L (nH)	Q Min. (MHz)			L T est Freq. (MHz)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
		500	800	1800				
TGRCI.0201.0N6JT00	0.6	>24	>32	>54	500	0.06	600	10000
TGRCI.0201.1N0JT00	1.0	24	32	54	500	0.08	520	10000
TGRCI.0201.1N2JT00	1.2	19	25	43	500	0.12	420	10000
TGRCI.0201.1N5JT00	1.5	19	24	39	500	0.12	420	10000
TGRCI.0201.1N8JT00	1.8	19	24	39	500	0.15	380	10000
TGRCI.0201.2N2JT00	2.2	17	24	38	500	0.25	290	10000
TGRCI.0201.2N4JT00	2.4	17	23	36	500	0.22	310	10000
TGRCI.0201.2N7JT00	2.7	17	22	34	500	0.22	310	9200
TGRCI.0201.3N3JT00	3.3	18	23	34	500	0.30	270	8100
TGRCI.0201.3N6JT00	3.6	16	23	33	500	0.38	240	7700
TGRCI.0201.3N9JT00	3.9	16	22	33	500	0.42	230	7400
TGRCI.0201.4N3JT00	4.3	16	21	32	500	0.44	220	6800
TGRCI.0201.4N7JT00	4.7	16	22	33	500	0.45	220	6200
TGRCI.0201.5N1JT00	5.1	17	22	34	500	0.46	210	5900
TGRCI.0201.5N6JT00	5.6	16	21	33	500	0.46	210	5500
TGRCI.0201.6N2JT00	6.2	18	23	34	500	0.48	210	5100
TGRCI.0201.6N8JT00	6.8	17	22	32	500	0.50	200	4900
TGRCI.0201.7N5JT00	7.5	16	21	31	500	0.50	200	4700
TGRCI.0201.8N2JT00	8.2	16	21	31	500	0.56	190	4300
TGRCI.0201.9N1JT00	9.1	16	20	30	500	0.72	170	4100
TGRCI.0201.10NJT00	10	16	20	28	500	0.80	160	3800
TGRCI.0201.12NJT00	12	16	20	27	500	0.80	160	3400
TGRCI.0201.15NJT00	15	15	19	24	500	0.85	160	2600
TGRCI.0201.18NJT00	18	15	19	23	500	1.00	140	2300
TGRCI.0201.22NJT00	22	15	19	22	500	1.20	130	1900
TGRCI.0201.27NJT00	27	14	17	15	500	1.50	100	2000
TGRCI.0201.33NJT00	33	15	17	12	300	1.70	100	1700
TGRCI.0201.39NJT00	39	14	15	3	300	2.50	80	1500
TGRCI.0201.47NJT00	47	14	14	1	300	2.70	80	1300
TGRCI.0201.56NJT00	56	13	13	-	300	3.20	60	1200

Part Number	L (nH)	Q Min. (MHz)			L T est Freq. (MHz)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
		100	900	1800				
TGRCI.0402.1N0JT00	1.0	9	44	50	100	0.08	400	10000
TGRCI.0402.1N2JT00	1.2	9	44	50	100	0.08	400	10000
TGRCI.0402.1N5JT00	1.5	9	43	48	100	0.10	400	6000
TGRCI.0402.1N8JT00	1.8	9	35	45	100	0.12	400	6000
TGRCI.0402.2N2JT00	2.2	9	30	43	100	0.12	400	6000
TGRCI.0402.2N4JT00	2.4	9	30	43	100	0.12	400	6000
TGRCI.0402.2N7JT00	2.7	9	30	40	100	0.13	400	6000
TGRCI.0402.3N0JT00	3.0	9	30	40	100	0.15	400	6000
TGRCI.0402.3N3JT00	3.3	9	30	40	100	0.15	400	6000
TGRCI.0402.3N9JT00	3.9	9	30	41	100	0.21	400	4500
TGRCI.0402.4N3JT00	4.3	9	30	36	100	0.21	300	4500
TGRCI.0402.4N7JT00	4.7	9	29	38	100	0.21	300	4500
TGRCI.0402.5N1JT00	5.1	9	28	36	100	0.23	300	4000
TGRCI.0402.5N6JT00	5.6	9	25	32	100	0.23	300	4000
TGRCI.0402.6N2JT00	6.2	9	25	32	100	0.25	300	4000
TGRCI.0402.6N8JT00	6.8	9	25	33	100	0.25	300	4000
TGRCI.0402.7N5JT00	7.5	9	25	32	100	0.35	300	3600
TGRCI.0402.8N2JT00	8.2	9	25	32	100	0.35	300	3600
TGRCI.0402.9N1JT00	9.1	9	25	31	100	0.42	300	3200
TGRCI.0402.10NJT00	10	9	26	30	100	0.42	300	3200
TGRCI.0402.12NJT00	12	9	26	29	100	0.50	300	2800
TGRCI.0402.15NJT00	15	9	25	26	100	0.60	300	2500
TGRCI.0402.18NJT00	18	9	23	24	100	0.80	300	2200
TGRCI.0402.22NJT00	22	9	23	22	100	0.85	300	1900
TGRCI.0402.27NJT00	27	9	23		100	1.00	300	1600
TGRCI.0402.33NJT00	33	9	22		100	1.00	200	1300
TGRCI.0402.39NJT00	39	9	21		100	1.30	200	1200
TGRCI.0402.47NJT00	47	9	20		100	1.50	200	1000
TGRCI.0402.56NJT00	56	9	17		100	1.80	200	750
TGRCI.0402.68NJT00	68	9	15		100	1.95	180	750
TGRCI.0402.82NJT00	82	9			100	2.10	150	600
TGRCI.0402.R10JT00	100	9			100	2.50	150	600
TGRCI.0402.R12JT00	120	9			100	2.80	150	600
TGRCI.0402.R15JT00	150	8			100	2.35	150	550
TGRCI.0402.R18JT00	180	8			100	2.55	100	500
TGRCI.0402.R22JT00	220	8			100	2.65	100	450
TGRCI.0402.R27JT00	270	8			100	2.85	50	400
TGRCI.0402.R33JT00	330	8			50	3.00	50	350

Part Number	L (nH)	Test Freq. (MHz)	Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
TGRCI.0603.1N0JT00	1.0	100	8	0.05	500	>10000
TGRCI.0603.1N2JT00	1.2	100	8	0.05	500	>10000
TGRCI.0603.1N5JT00	1.5	100	8	0.10	500	>10000
TGRCI.0603.1N8JT00	1.8	100	8	0.10	500	>10000
TGRCI.0603.2N2JT00	2.2	100	8	0.10	500	10000
TGRCI.0603.2N7JT00	2.7	100	10	0.10	500	9000
TGRCI.0603.3N3JT00	3.3	100	10	0.12	500	8000
TGRCI.0603.3N9JT00	3.9	100	10	0.14	500	7000
TGRCI.0603.4N7JT00	4.7	100	10	0.16	500	5500
TGRCI.0603.5N6JT00	5.6	100	10	0.18	500	4500
TGRCI.0603.6N8JT00	6.8	100	10	0.22	500	4000
TGRCI.0603.8N2JT00	8.2	100	10	0.24	500	3600
TGRCI.0603.10NJT00	10	100	12	0.26	300	3400
TGRCI.0603.12NJT00	12	100	12	0.30	300	2800
TGRCI.0603.15NJT00	15	100	12	0.32	300	2500
TGRCI.0603.18NJT00	18	100	12	0.35	300	2100
TGRCI.0603.22NJT00	22	100	12	0.40	300	1700
TGRCI.0603.27NJT00	27	100	12	0.45	300	1500
TGRCI.0603.33NJT00	33	100	12	0.55	300	1300
TGRCI.0603.39NJT00	39	100	12	0.60	300	1100
TGRCI.0603.47NJT00	47	100	12	0.70	300	1000
TGRCI.0603.56NJT00	56	100	12	0.75	300	900
TGRCI.0603.68NJT00	68	100	12	0.85	300	700
TGRCI.0603.82NJT00	82	100	12	0.95	300	600
TGRCI.0603.R10JT00	100	100	12	1.00	300	600
TGRCI.0603.R12JT00	120	50	8	1.30	300	500
TGRCI.0603.R15JT00	150	50	8	1.50	300	500
TGRCI.0603.R18JT00	180	50	8	1.80	300	400
TGRCI.0603.R22JT00	220	50	8	2.10	300	400
TGRCI.0603.R27JT00	270	50	8	2.40	300	350
TGRCI.0603.R33JT00	330	50	8	3.0	300	350

Part Number	L (nH)	Test Freq. (MHz)	Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
TGRCI.0805.1N5JT00	1.5	100	10	0.10	600	6000
TGRCI.0805.1N8JT00	1.8	100	10	0.10	600	6000
TGRCI.0805.2N2JT00	2.2	100	10	0.10	600	6000
TGRCI.0805.2N7JT00	2.7	100	12	0.10	600	6000
TGRCI.0805.3N3JT00	3.3	100	12	0.13	600	6000
TGRCI.0805.3N9JT00	3.9	100	12	0.15	600	5000
TGRCI.0805.4N7JT00	4.7	100	12	0.20	400	4000
TGRCI.0805.5N6JT00	5.6	100	15	0.23	400	3500
TGRCI.0805.6N8JT00	6.8	100	15	0.25	400	2800
TGRCI.0805.8N2JT00	8.2	100	15	0.28	400	2400
TGRCI.0805.10NJT00	10	100	15	0.30	300	2100
TGRCI.0805.12NJT00	12	100	15	0.35	300	1900
TGRCI.0805.15NJT00	15	100	15	0.40	300	1800
TGRCI.0805.18NJT00	18	100	15	0.45	300	1500
TGRCI.0805.22NJT00	22	100	15	0.50	300	1400
TGRCI.0805.27NJT00	27	100	15	0.55	300	1300
TGRCI.0805.33NJT00	33	100	15	0.60	300	1200
TGRCI.0805.39NJT00	39	100	15	0.65	300	1000
TGRCI.0805.47NJT00	47	100	15	0.70	300	900
TGRCI.0805.56NJT00	56	100	15	0.75	300	800
TGRCI.0805.68NJT00	68	100	15	0.80	300	700
TGRCI.0805.82NJT00	82	100	15	0.90	300	600
TGRCI.0805.R10JT00	100	100	15	0.90	300	600
TGRCI.0805.R12JT00	120	100	13	0.95	300	500
TGRCI.0805.R15JT00	150	50	13	1.00	300	500
TGRCI.0805.R18JT00	180	50	13	1.20	300	400
TGRCI.0805.R22JT00	220	50	12	1.40	300	350
TGRCI.0805.R27JT00	270	50	12	1.70	300	300
TGRCI.0805.R33JT00	330	50	12	2.00	300	250
TGRCI.0805.R39JT00	390	50	10	2.50	300	250
TGRCI.0805.R47JT00	470	50	10	2.80	300	200