NEW!

0201 Ceramic Chip Inductors 026011C

RoHS COMPLIANT

Halogen Free

- 29 inductance values from 0.75 nH to 75 nH
- Optimized for 5G applications
- High Q factor for 700 MHz LTE
- Very high SRF values – as high as 34 GHz
- Optimized 0201 size (0.76 × 0.33 × 0.55 mm)

Part number[1]	Inductance[2] ±5% (nH)	900 MHz L typ	900 MHz Q typ[3]	1.7 GHz L typ	1.7 GHz Q typ[3]	2.4 GHz L typ	2.4 GHz Q typ[3]	SRF typ[4] (GHz)	DCR max[5] (mOhms)	Irms[6] (mA)	B dim max in/mm
026011C-N75XJR_	0.75	0.73	35	0.73	54	0.73	69	34.0	60	850	0.015/0,38
026011C-1N7XJR_	1.7	1.65	40	1.67	60	1.68	77	34.0	60	850	0.015/0,38
026011C-3N0XJR_	3.0	2.94	44	2.95	66	2.96	85	13.7	83	610	0.015/0,38
026011C-4N7XJR_	4.7	4.62	46	4.63	69	4.67	91	11.6	110	520	0.015/0,38
026011C-5N1XJR_	5.1	5.01	46	5.04	72	5.10	93	10.3	120	540	0.015/0,38
026011C-5N6XJR_	5.6	5.52	45	5.57	65	5.65	81	9.60	130	470	0.015/0,38
026011C-6N2XJR_	6.2	6.10	45	6.14	66	6.23	86	9.90	130	470	0.015/0,38
026011C-6N8XJR_	6.8	6.70	47	6.77	68	6.90	86	8.70	135	460	0.015/0,38
026011C-7N5XJR_	7.5	7.40	45	7.48	66	7.62	82	8.55	155	430	0.015/0,38
026011C-8N2XJR_	8.2	8.09	44	8.18	67	8.33	84	7.75	240	360	0.015/0,38
026011C-9N0XJR_	9	8.88	47	8.97	68	9.15	86	8.00	155	440	0.015/0,38
026011C-10NXJR_	10	9.88	47	10.0	67	10.3	85	7.50	190	390	0.015/0,38
026011C-11NXJR_	11	10.9	43	11.1	61	11.5	69	6.60	280	320	0.015/0,38
026011C-12NXJR_	12	11.9	41	11.2	58	11.7	67	6.25	370	260	0.013/0,33
026011C-15NXJR_	15	14.9	42	15.4	57	16.3	62	5.15	415	260	0.013/0,33
026011C-16NXJR_	16	15.9	44	16.5	58	17.5	62	5.45	315	300	0.015/0,38
026011C-18NXJR_	18	17.9	44	18.7	58	20.0	60	4.75	460	250	0.013/0,33
026011C-20NXJR_	20	19.9	44	20.7	57	22.2	59	5.10	420	260	0.015/0,38
026011C-22NXJR_	22	21.9	43	22.8	59	24.3	56	4.67	540	240	0.013/0,33
026011C-24NXJR_	24	23.9	45	24.9	64	26.5	58	4.50	460	250	0.015/0,38
026011C-27NXJR_	27	26.8	45	27.9	64	29.6	58	4.30	505	240	0.015/0,38
026011C-30NXJR_	30	30.0	44	31.7	56	34.6	54	4.35	800	190	0.013/0,33
026011C-33NXJR_	33	33.2	43	35.7	52	40.1	52	4.00	710	200	0.013/0,33
026011C-36NXJR_	36	36.2	42	39.0	51	44.2	46	3.89	1080	160	0.013/0,33
026011C-39NXJR_	39	39.2	42	42.0	51	47.3	55	3.75	1000	175	0.013/0,33
026011C-43NXJR_	43	43.5	41	47.4	48	54.7	46	3.55	1000	170	0.013/0,33
026011C-56NXJR_	56	56.8	47	60.6	63	—	—	3.20	1460	140	0.013/0,33
026011C-68NXJR_	68	70.1	40	81.5	42	—	—	2.85	1920	120	0.013/0,33
026011C-75NXJR_	75	76.2	47	—	—	—	—	2.75	2600	100	0.013/0,33

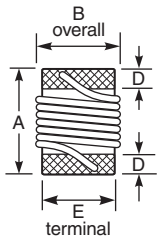
1.When ordering, please specify **packaging** code:

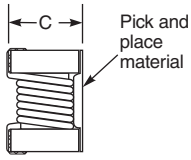
026011C-75NXJRY

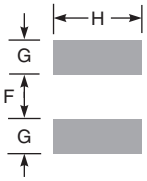
Packaging: **Y** = 7″ machine-ready reel. EIA-481 punched paper tape (10,000 parts per full reel).
W = 7″ machine-ready reel. EIA-481 punched paper tape (2000 parts per full reel).
U = Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge), use code letter W instead.

2. Inductance measured at 250 MHz using a Coilcraft SMD-F fixture in an Agilent/HP 4287 impedance analyzer with Coilcraft-provided correlation pieces.
3. Q measured using an Agilent/HP 4991 with an Agilent/HP 16197 test fixture.
4. SRF measured using an Agilent/HP 8722ES network analyzer and a Coilcraft SMD-D test fixture.
5. DCR measured on a micro-ohmmeter and a Coilcraft CCF858 test fixture.
6. Current that causes a 15°C temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
7. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.







Recommended Land Pattern

Amax	Bmax	Cmax	D	E	F	G	H	
0.030	See table	0.022	0.004	0.011	0.016	0.010	0.014	inches
0,76		0,55	0,10	0,28	0,41	0,25	0,36	mm

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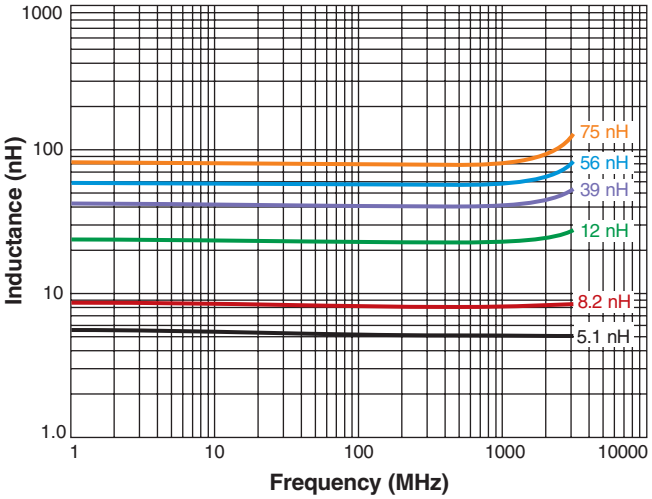
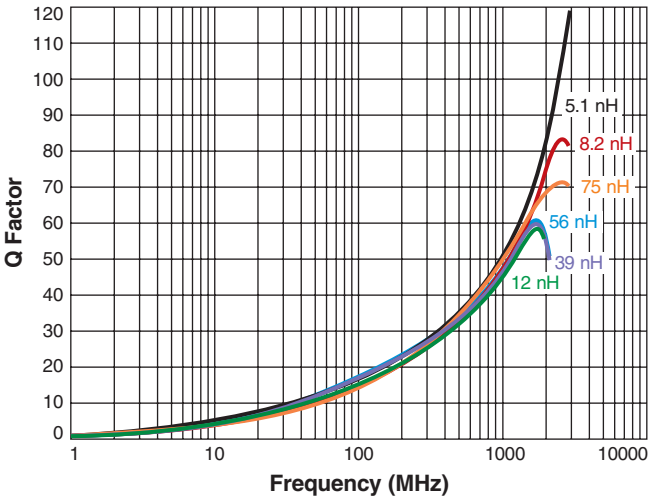
NEW!

Chip Inductors – 026011C Series

Typical L vs Frequency



Typical Q vs Frequency



Core material Ceramic
Environmental RoHS compliant, halogen free
Terminations Matte tin over nickel over silver.
Weight 0.14 – 0.24 mg
Ambient temperature –40°C to +125°C with Irms current
Maximum part temperature +140°C (ambient + temp rise)
Storage temperature Component: –40°C to +140°C. Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Temperature Coefficient of Inductance (TCL) +25 to +150 ppm/°C
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Failures in Time (FIT) / Mean Time Between Failures (MTBF) One per billion hours / one billion hours, calculated per Telcordia SR-332
Packaging 2000 or 10,000 per 7″ reel. Paper tape: 8 mm wide, 0.68 mm thick, 2 mm pocket spacing
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

Coilcraft
www.coilcraft.com

US +1-847-639-6400 sales@coilcraft.com
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