

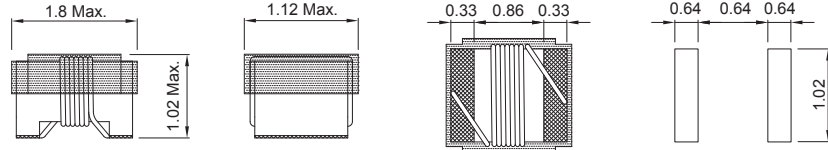
FEC0603CP Series

■ SMD Wire Wound Ceramic Chip Inductors

MECHANICAL DIMENSIONS



FEC0603CP



Recommended Patterns

unit: mm

ELECTRICAL SPECIFICATION

Part Number	Inductance (nH)	Inductance Tolerance	Q (min.)	Test Freq. (MHz)	900 (MHz)		1.7 (GHz)		SRF (GHz) Min.	DCR (Ω) Max.	I _{rms} (mA)	Color Code
					L typ.	Q typ.	L typ.	Q typ.				
FEC0603CP-1N6 □ -LRH	1.6	J, K	24	250	1.67	49	1.65	63	12.50	0.030	700	BLACK
FEC0603CP-1N8 □ -LRH	1.8	J, K	16	250	1.83	35	1.86	50	12.50	0.045	700	BROWN
FEC0603CP-2N1 □ -LRH	2.1	J, K	20	250	2.11	31	2.09	45	5.80	0.050	700	RED
FEC0603CP-2N2 □ -LRH	2.2	J, K	20	250	2.22	31	2.24	44	5.80	0.100	700	ORANGE
FEC0603CP-3N3 □ -LRH	3.3	J, K	20	250	3.31	75	3.38	88	5.50	0.070	700	VIOLET
FEC0603CP-3N6 □ -LRH	3.6	J, K	22	250	3.72	53	3.71	65	5.90	0.063	700	RED
FEC0603CP-3N9 □ -LRH	3.9	J, K	22	250	3.95	49	3.96	67	6.90	0.080	700	ORANGE
FEC0603CP-4N3 □ -LRH	4.3	J, K	22	250	4.32	50	4.33	70	5.90	0.063	700	YELLOW
FEC0603CP-4N7 □ -LRH	4.7	J, K	20	250	4.72	47	4.75	57	5.80	0.116	700	GREEN
FEC0603CP-5N1 □ -LRH	5.1	J, K	20	250	4.93	47	4.95	56	5.70	0.140	700	BLUE
FEC0603CP-5N6 □ -LRH	5.6	J, K	15	250	5.77	63	6.05	80	5.80	0.150	700	GRAY
FEC0603CP-6N1 □ -LRH	6.1	J, K	25	250	5.90	59	7.08	79	5.80	0.110	700	WHITE
FEC0603CP-6N8 □ -LRH	6.8	G, J, K	27	250	6.75	60	7.10	81	5.80	0.110	700	VIOLET
FEC0603CP-7N5 □ -LRH	7.5	G, J, K	28	250	7.70	60	7.82	85	4.80	0.106	700	GRAY
FEC0603CP-8N2 □ -LRH	8.2	G, J, K	25	250	8.25	82	8.37	87	5.80	0.120	700	BLACK
FEC0603CP-8N4 □ -LRH	8.4	G, J, K	28	250	8.39	79	8.51	85	4.60	0.109	700	RED
FEC0603CP-8N5 □ -LRH	8.5	G, J, K	28	250	8.47	81	8.62	86	4.60	0.109	700	RED
FEC0603CP-8N7 □ -LRH	8.7	G, J	28	250	8.86	62	9.32	58	4.60	0.109	700	WHITE
FEC0603CP-9N5 □ -LRH	9.5	G, J	28	250	9.70	59	9.92	61	5.40	0.135	700	BLACK
FEC0603CP-10N □ -LRH	10	G, J	31	250	10.00	66	10.6	83	4.80	0.130	700	BROWN
FEC0603CP-11N □ -LRH	11	G, J	33	250	11.00	53	11.5	56	4.00	0.086	700	RED
FEC0603CP-12N □ -LRH	12	G, J	35	250	12.30	72	13.5	83	4.00	0.130	700	ORANGE
FEC0603CP-14N □ -LRH	14	G, J	35	250	14.20	69	15.6	85	4.00	0.170	700	BROWN
FEC0603CP-15N □ -LRH	15	G, J	35	250	15.40	64	16.8	89	4.00	0.170	700	YELLOW
FEC0603CP-16N □ -LRH	16	G, J	34	250	16.20	55	17.3	52	3.30	0.104	700	GREEN
FEC0603CP-18N □ -LRH	18	G, J	35	250	18.70	70	21.4	69	3.10	0.170	700	BLUE
FEC0603CP-22N □ -LRH	22	G, J	38	250	22.80	73	26.1	71	3.00	0.190	700	VIOLET
FEC0603CP-23N □ -LRH	23	G, J	38	250	24.10	71	28.0	67	2.85	0.190	700	BLACK
FEC0603CP-24N □ -LRH	24	G, J	37	250	24.50	45	28.7	39	2.65	0.135	700	GRAY
FEC0603CP-27N □ -LRH	27	G, J	40	250	29.20	74	34.6	65	2.80	0.220	600	WHITE
FEC0603CP-30N □ -LRH	30	G, J	37	250	31.40	47	39.9	28	2.25	0.220	600	BLACK
FEC0603CP-33N □ -LRH	33	G, J	40	250	36.00	67	49.5	42	2.30	0.220	600	BROWN
FEC0603CP-36N □ -LRH	36	G, J	38	250	39.40	47	52.7	24	2.08	0.250	600	RED
FEC0603CP-39N □ -LRH	39	G, J	40	250	42.70	60	60.2	40	2.20	0.250	600	ORANGE
FEC0603CP-43N □ -LRH	43	G, J	39	250	47.00	44	64.9	21	2.00	0.280	600	YELLOW
FEC0603CP-47N □ -LRH	47	G, J	38	200	52.20	62	77.2	35	2.00	0.280	600	GREEN
FEC0603CP-51N □ -LRH	51	G, J	35	200	55.50	69	82.2	34	1.90	0.270	600	BROWN
FEC0603CP-56N □ -LRH	56	G, J	38	200	62.50	56	97.0	26	1.90	0.310	600	BLUE
FEC0603CP-68N □ -LRH	68	G, J	37	200	80.50	54	168	21	1.70	0.340	600	VIOLET
FEC0603CP-72N □ -LRH	72	G, J	34	150	82.00	53	135	20	1.70	0.490	400	GRAY
FEC0603CP-82N □ -LRH	82	G, J	34	150	96.20	54	177	21	1.70	0.540	400	WHITE
FEC0603CP-R10 □ -LRH	100	G, J	34	150	124	49	-	-	1.40	0.580	400	BLACK
FEC0603CP-R11 □ -LRH	110	G, J	32	150	138	43	-	-	1.35	0.610	300	BROWN
FEC0603CP-R12 □ -LRH	120	G, J	32	150	166	39	-	-	1.30	0.650	300	RED
FEC0603CP-R15 □ -LRH	150	G, J	28	150	250	25	-	-	0.990	0.920	280	ORANGE
FEC0603CP-R18 □ -LRH	180	G, J	25	100	305	22	-	-	0.990	1.250	240	YELLOW
FEC0603CP-R20 □ -LRH	200	G, J	25	100	-	-	-	-	0.990	1.980	200	RED
FEC0603CP-R21 □ -LRH	210	G, J	27	100	-	-	-	-	0.895	2.060	200	ORANGE
FEC0603CP-R22 □ -LRH	220	G, J	25	100	-	-	-	-	0.900	1.900	200	GREEN
FEC0603CP-R25 □ -LRH	250	G, J	25	100	-	-	-	-	0.822	3.550	120	YELLOW

SMD

Leaded

FEC0603CP Series

■ SMD Wire Wound Ceramic Chip Inductors

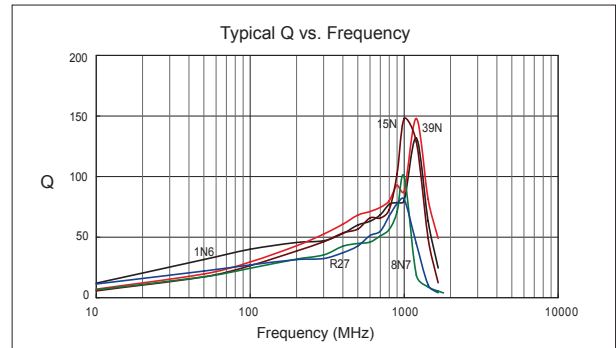
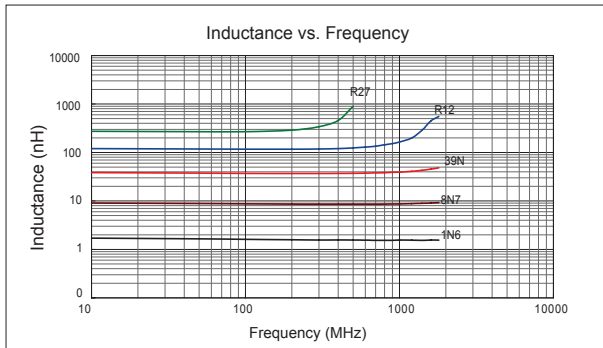
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FEC0603CP-R27 □ -LRH	270	G, J	24	100	-	-	-	-	0.900	2.300	170	BLUE
FEC0603CP-R33 □ -LRH	330	G, J	24	100	-	-	-	-	0.900	3.900	185	VIOLET
FEC0603CP-R39 □ -LRH	390	G, J	25	100	-	-	-	-	0.900	4.350	100	GRAY

- External electrode: FEC0603CP (Sn-plating), FEC0603C (Au-plating)
- Tolerance: K=±10% ; J=±5% ; G=±2%
- Operating Temp: -40°C to +125°C
- For 15°C Temperature Rise.
- Inductance & Q measured using the HP4291B.
- SRF measured using the HP8753E or HP8720D.
- DCR measured using the 16502BC milli-ohm meter.
- Unspecified values available on request.

CHARACTERISTIC CURVE

FEC0603CP Series



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