

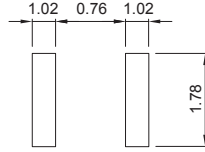
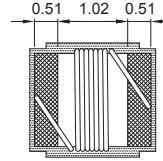
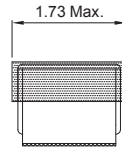
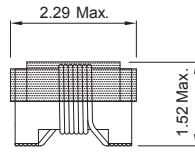
FEC0805CP Series

■ SMD Wire Wound Ceramic Chip Inductors

MECHANICAL DIMENSIONS



FEC0805CP



Recommended Patterns

unit: mm

ELECTRICAL SPECIFICATION

Part Number	Inductance (nH)	Inductance Tolerance	Test Freq. (MHz)	Q (min.)	Test Freq. (MHz)	SRF (GHz) Min.	DCR (Ω) Max.	I _{rms} (mA)	Color Code
FEC0805CP-2N2 □ -LRH	2.20	K, J	250	35	1500	3.00	0.08	600	WHITE
FEC0805CP-2N7 □ -LRH	2.70	K, J	250	80	1500	7.90	0.03	600	BROWN
FEC0805CP-2N8 □ -LRH	2.80	K, J	250	80	1000	7.90	0.06	800	RED
FEC0805CP-2N9 □ -LRH	2.90	K, J	250	50	1000	4.70	0.05	600	BLUE
FEC0805CP-3N0 □ -LRH	3.00	K, J	250	65	1500	7.90	0.06	800	VIOLET
FEC0805CP-3N3 □ -LRH	3.30	K, J	250	35	1500	7.90	0.08	600	BLACK
FEC0805CP-5N6 □ -LRH	5.60	K, J	250	65	1000	5.50	0.08	600	VIOLET
FEC0805CP-6N2 □ -LRH	6.20	K, J	250	50	1000	5.50	0.08	600	GREEN
FEC0805CP-6N8 □ -LRH	6.80	K, J	250	50	1000	5.50	0.11	600	BROWN
FEC0805CP-7N5 □ -LRH	7.50	K, J	250	50	1000	4.50	0.10	600	BLACK
FEC0805CP-8N2 □ -LRH	8.20	K, J	250	50	1000	4.70	0.12	600	RED
FEC0805CP-8N7 □ -LRH	8.70	K, J	250	50	1000	4.70	0.10	400	WHITE
FEC0805CP-10N □ -LRH	10.0	K, J, G	250	60	500	4.20	0.10	600	RED
FEC0805CP-11N □ -LRH	11.0	K, J, G	700	45	500	3.00	0.15	600	ORANGE
FEC0805CP-12N □ -LRH	12.0	K, J, G	250	50	500	4.00	0.15	600	ORANGE
FEC0805CP-15N □ -LRH	15.0	K, J, G	250	50	500	3.40	0.17	600	YELLOW
FEC0805CP-18N □ -LRH	18.0	K, J, G	250	50	500	3.30	0.20	600	GREEN
FEC0805CP-22N □ -LRH	22.0	K, J, G	250	55	500	2.60	0.22	500	BLUE
FEC0805CP-24N □ -LRH	24.0	K, J, G	250	50	500	2.00	0.22	500	RED
FEC0805CP-27N □ -LRH	27.0	K, J, G	250	55	500	2.50	0.25	500	VIOLET
FEC0805CP-33N □ -LRH	33.0	K, J, G	250	60	500	2.05	0.27	500	GRAY
FEC0805CP-36N □ -LRH	36.0	K, J, G	250	55	500	1.70	0.27	500	YELLOW
FEC0805CP-37N □ -LRH	37.0	K, J, G	350	40	500	1.80	0.27	500	GREEN
FEC0805CP-38N □ -LRH	38.0	K, J, G	350	40	500	1.80	0.27	500	BLUE
FEC0805CP-39N □ -LRH	39.0	K, J, G	250	60	500	2.00	0.29	500	WHITE
FEC0805CP-43N □ -LRH	43.0	K, J, G	200	60	500	1.65	0.34	500	YELLOW
FEC0805CP-47N □ -LRH	47.0	K, J, G	200	60	500	1.65	0.31	500	BLACK
FEC0805CP-56N □ -LRH	56.0	K, J, G	200	60	500	1.55	0.34	500	BROWN
FEC0805CP-68N □ -LRH	68.0	K, J, G	200	60	500	1.45	0.38	500	RED
FEC0805CP-72N □ -LRH	72.0	K, J, G	150	65	500	1.40	0.40	500	GREEN
FEC0805CP-82N □ -LRH	82.0	K, J, G	150	65	500	1.30	0.42	400	ORANGE
FEC0805CP-91N □ -LRH	91.0	K, J, G	150	65	500	1.20	0.48	400	BLUE
FEC0805CP-R10 □ -LRH	100	K, J, G	150	65	500	1.20	0.46	400	YELLOW
FEC0805CP-R11 □ -LRH	110	K, J, G	150	50	500	1.00	0.48	400	VIOLET
FEC0805CP-R12 □ -LRH	120	K, J, G	150	50	250	1.10	0.51	400	GREEN
FEC0805CP-R15 □ -LRH	150	K, J, G	100	50	250	0.920	0.56	400	BLUE
FEC0805CP-R18 □ -LRH	180	K, J, G	100	50	250	0.870	0.64	400	VIOLET
FEC0805CP-R20 □ -LRH	200	K, J, G	100	50	250	0.860	0.68	400	RED
FEC0805CP-R22 □ -LRH	220	K, J, G	100	50	250	0.850	0.70	400	GRAY
FEC0805CP-R24 □ -LRH	240	K, J, G	100	44	250	0.690	1.00	350	BLACK
FEC0805CP-R25 □ -LRH	250	K, J, G	100	50	250	0.680	1.00	350	YELLOW
FEC0805CP-R27 □ -LRH	270	K, J, G	100	48	250	0.650	1.15	300	WHITE
FEC0805CP-R30 □ -LRH	300	K, J, G	100	48	250	0.620	1.20	300	GRAY
FEC0805CP-R33 □ -LRH	330	K, J, G	100	48	250	0.600	1.40	300	BLACK
FEC0805CP-R36 □ -LRH	360	K, J, G	100	35	250	0.400	0.90	300	ORANGE
FEC0805CP-R39 □ -LRH	390	K, J, G	150	48	250	0.560	1.50	300	BROWN
FEC0805CP-R43 □ -LRH	430	K, J, G	100	33	100	0.430	1.70	190	WHITE
FEC0805CP-R47 □ -LRH	470	K, J	50	33	100	0.375	1.70	250	VIOLET
FEC0805CP-R56 □ -LRH	560	K, J	25	23	50	0.340	1.90	230	ORANGE
FEC0805CP-R60 □ -LRH	600	K, J	25	23	50	0.260	1.60	450	WITE
FEC0805CP-R62 □ -LRH	620	K, J	25	23	50	0.200	2.00	190	ORANGE

SMD

Leaded

FEC0805CP Series

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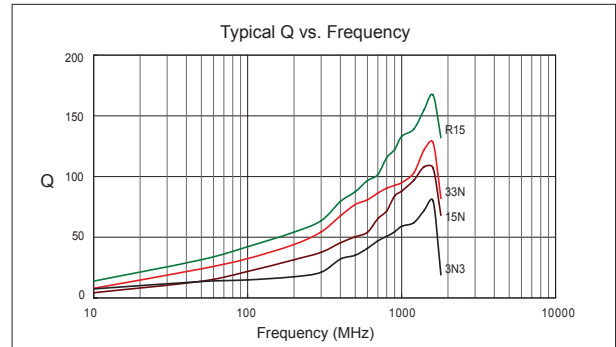
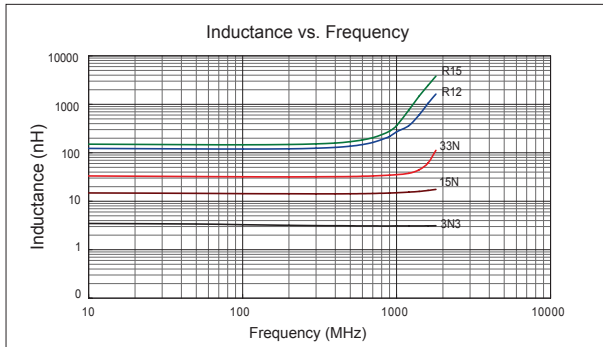
ELECTRICAL SPECIFICATION

Part Number	Inductance (nH)	Inductance Tolerance	Test Freq. (MHz)	Q (min.)	Test Freq. (MHz)	SRF (GHz) Min.	DCR (Ω) Max.	I _{rms} (mA)	Color Code
FEC0805CP-R68 □ -LRH	680	K, J	25	23	50	0.188	2.20	190	GREEN
FEC0805CP-R75 □ -LRH	750	K, J	25	23	50	0.200	2.30	180	BLUE
FEC0805CP-R82 □ -LRH	820	K, J	25	23	50	0.215	2.50	190	BROWN
FEC0805CP-R91 □ -LRH	910	K, J	25	24	50	0.250	2.30	170	RED
FEC0805CP-1R0 □ -LRH	1000	K, J	25	23	50	0.260	2.70	170	BLACK
FEC0805CP-1R2 □ -LRH	1200	K, J	7.9	18	25	0.100	2.50	170	WITE
FEC0805CP-1R5 □ -LRH	1500	K, J	7.9	16	25	0.100	2.50	170	BLACK
FEC0805CP-1R8 □ -LRH	1800	K, J	7.9	16	7.9	0.080	2.50	170	BROWN
FEC0805CP-2R2 □ -LRH	2200	K, J	7.9	16	7.9	0.060	2.70	160	RED
FEC0805CP-2R7 □ -LRH	2700	K, J	7.9	16	7.9	0.050	3.10	150	ORANGE
FEC0805CP-3R3 □ -LRH	3300	K, J	7.9	15	7.9	0.040	4.40	90	BLUE
FEC0805CP-4R7 □ -LRH	4700	K, J	7.9	15	7.9	0.040	6.40	90	GREEN

- External electrode: FEC0805CP (Sn-plating), FEC0805C (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 + E5071C.
- DCR measured using the 16502BC milli-ohm meter.
- Unspecified values available on request.

CHARACTERISTIC CURVE

FEC0805CP Series



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