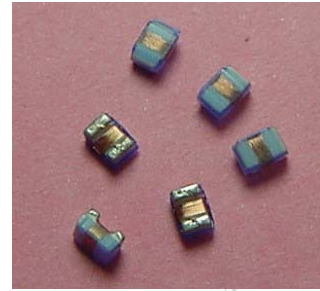


Wire Wound Ceramic High Frequency Inductors

Features

- High Q and high SRF
- Excellent solderability and resistance to soldering heat.
- Suitable for flow and reflow soldering.
- Good dimensions, high reliability, and easy surface mount assembly.
- Wide range of inductance value for flexible needs.



Applications

- For high-frequency applications such as:
Mobile phone, cordless phone, Pager

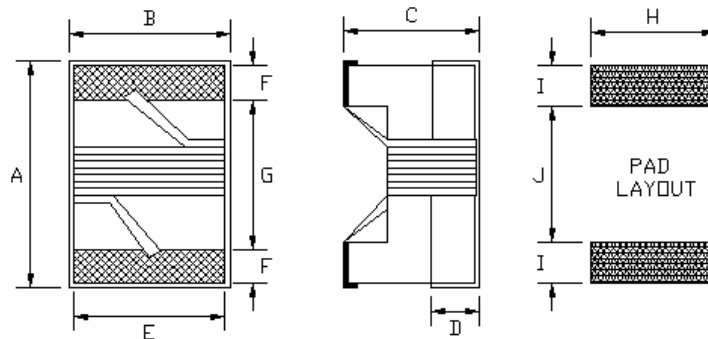
Part Number Systems

WHI - 0603 - 1N8 - K - LF

(1) (2) (3) (4) (5)

(1)	Product series	(2)	Size
(3)	Inductance Value: 1N8 = 1.8nH	(4)	Inductance Tolerance: G = ± 2%, J = ± 5%, K = ± 10%, M = ± 20%
(5)	ROHs Compliant		

Shape And Dimensions



Unit: mm

Type	A (Max)	B (Max)	C (Max)	D Ref.	E Ref.	F Ref.	G Ref.	H Ref.	I Ref.	J Ref.
0603	1.80	1.12	1.02	0.38	0.76	0.33	0.87	1.02	0.64	0.64

Wire Wound Ceramic High Frequency Inductors

WHI-0603-Series				ELECTRICAL CHARACTERISTICS		
Part Number	Inductance (nH)	Tolerance	Q Min	SRF (MHz) Min	Rdc (Ω) Max	Idc (mA) Max
WHI-0603-1N6J-LF	1.6 @ 250 MHz	J, K	24 @ 250 MHz	12500	0.030	700
WHI-0603-1N8J-LF	1.8 @ 250 MHz	J, K	16 @ 250 MHz	12500	0.045	700
WHI-0603-3N3J-LF	3.3 @ 250 MHz	J, K	25 @ 250 MHz	10000	0.050	700
WHI-0603-3N6J-LF	3.6 @ 250 MHz	J, K	22 @ 250 MHz	5900	0.063	700
WHI-0603-3N9J-LF	3.9 @ 250 MHz	J, K	22 @ 250 MHz	6900	0.080	700
WHI-0603-4N3J-LF	4.3 @ 250 MHz	J, K	22 @ 250 MHz	5900	0.063	700
WHI-0603-4N7J-LF	4.7 @ 250 MHz	J, K	20 @ 250 MHz	5800	0.130	700
WHI-0603-5N1J-LF	5.1 @ 250 MHz	J, K	20 @ 250 MHz	5700	0.140	700
WHI-0603-6N8J-LF	6.8 @ 250 MHz	G, J, K	27 @ 250 MHz	5800	0.110	700
WHI-0603-7N5J-LF	7.5 @ 250 MHz	G, J, K	28 @ 250 MHz	4800	0.106	700
WHI-0603-8N7J-LF	8.7 @ 250 MHz	G, J, K	28 @ 250 MHz	4600	0.109	700
WHI-0603-9N5J-LF	9.5 @ 250 MHz	G, J, K	28 @ 250 MHz	5400	0.135	700
WHI-0603-10NJ-LF	10 @ 250 MHz	G, J, K	31 @ 250 MHz	4800	0.130	700
WHI-0603-11NJ-LF	11 @ 250 MHz	G, J, K	33 @ 250 MHz	4000	0.107	700
WHI-0603-12NJ-LF	12 @ 250 MHz	G, J, K	35 @ 250 MHz	4000	0.130	700
WHI-0603-15NJ-LF	15 @ 250 MHz	G, J, K	35 @ 250 MHz	4000	0.170	700
WHI-0603-16NJ-LF	16 @ 250 MHz	G, J, K	34 @ 250 MHz	3300	0.134	700
WHI-0603-18NJ-LF	18 @ 250 MHz	G, J, K	35 @ 250 MHz	3100	0.170	700
WHI-0603-22NJ-LF	22 @ 250 MHz	G, J, K	38 @ 250 MHz	3000	0.190	700
WHI-0603-24NJ-LF	24 @ 250 MHz	G, J, K	37 @ 250 MHz	2650	0.190	700
WHI-0603-27NJ-LF	27 @ 250 MHz	G, J, K	40 @ 250 MHz	2800	0.220	600
WHI-0603-30NJ-LF	30 @ 250 MHz	G, J, K	37 @ 250 MHz	2250	0.187	600
WHI-0603-33NJ-LF	33 @ 250 MHz	G, J, K	38 @ 250 MHz	2300	0.260	600
WHI-0603-36NJ-LF	36 @ 250 MHz	G, J, K	38 @ 250 MHz	2080	0.250	600
WHI-0603-39NJ-LF	39 @ 250 MHz	G, J, K	40 @ 250 MHz	2200	0.250	600
WHI-0603-43NJ-LF	43 @ 250 MHz	G, J, K	39 @ 250 MHz	2000	0.280	600
WHI-0603-47NJ-LF	47 @ 200 MHz	G, J, K	38 @ 200 MHz	2000	0.280	600
WHI-0603-56NJ-LF	56 @ 200 MHz	G, J, K	38 @ 200 MHz	1900	0.340	600
WHI-0603-68NJ-LF	68 @ 200 MHz	G, J, K	37 @ 200 MHz	1700	0.340	600
WHI-0603-72NJ-LF	72 @ 150 MHz	G, J, K	34 @ 150 MHz	1700	0.490	400
WHI-0603-82NJ-LF	82 @ 150 MHz	G, J, K	34 @ 150 MHz	1700	0.540	400
WHI-0603-R10J-LF	100 @ 150 MHz	G, J, K	34 @ 150 MHz	1400	0.580	400
WHI-0603-R11J-LF	110 @ 150 MHz	G, J, K	32 @ 150 MHz	1350	0.610	300

Wire Wound Ceramic High Frequency Inductors

WHI-0603-Series			ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (nH)	Tolerance	Q Min	SRF (MHz) Min	Rdc (Ω) Max	Idc (mA) Max
WHI-0603-R12J-LF	120 @ 150 MHz	G, J, K	32 @ 150 MHz	1300	0.720	300
WHI-0603-R15J-LF	150 @ 150 MHz	G, J, K	28 @ 150 MHz	990	0.920	280
WHI-0603-R18J-LF	180 @ 100 MHz	G, J, K	25 @ 100 MHz	990	1.250	240
WHI-0603-R22J-LF	220 @ 100 MHz	G, J, K	25 @ 100 MHz	900	2.100	200
WHI-0603-R27J-LF	270 @ 100 MHz	G, J, K	24 @ 100 MHz	900	2.300	170
WHI-0603-R33J-LF	330 @ 100 MHz	G, J, K	25 @ 100 MHz	900	3.630	170
WHI-0603-R39J-LF	390 @ 100 MHz	G, J, K	25 @ 100 MHz	700	3.700	170

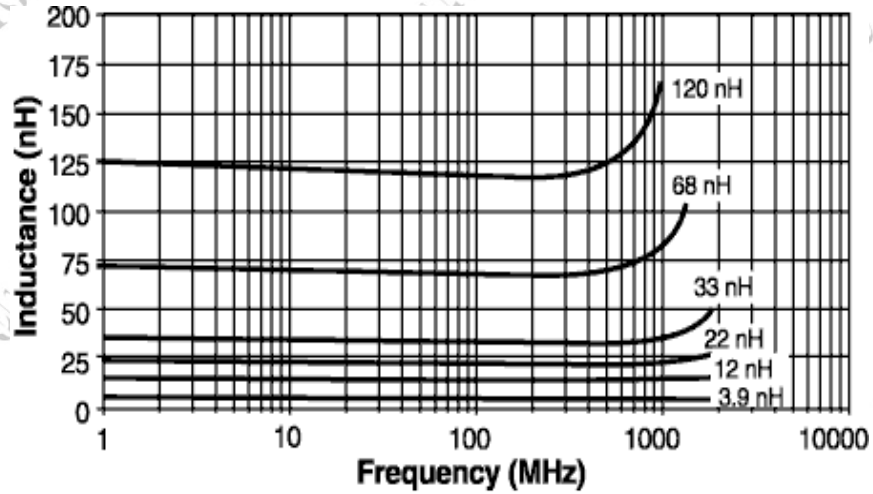
* All specifications are subjected to change without prior notice.

Wire Wound Ceramic High Frequency Inductors

Typical Electrical Characteristics

❖ WHI-0603-Series

Inductance Vs. Frequency Characteristics



Q Vs. Frequency Characteristics

