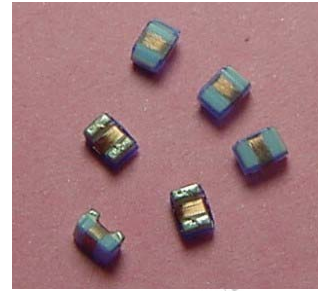


Wire Wound Ceramic High Frequency Inductors

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

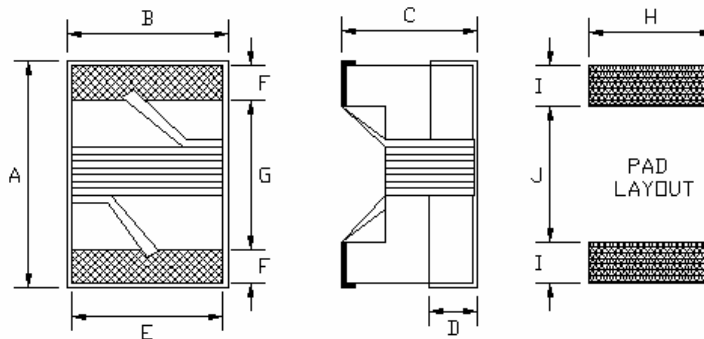
Part Number Systems

WHI - 1008 - 4N7 - K - LF

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

(1)	Product series	(2)	Size
(3)	Inductance Value: 4N7 = 4.7nH	(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.
1008	2.92	2.79	2.03	0.90	2.03	0.51	1.52	2.54	1.02	1.27

Wire Wound Ceramic High Frequency Inductors

WHI-1008-Series			ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (nH)	Tolerance	Q Min	SRF (MHz) Min	Rdc (Ω) Max	Idc (mA) Max
WHI-1008-10NJ-LF	10 @ 50 MHz	J, K	50 @ 500 MHz	4100	0.08	1000
WHI-1008-12NJ-LF	12 @ 50 MHz	J, K	50 @ 500 MHz	3300	0.09	1000
WHI-1008-15NJ-LF	15 @ 50 MHz	J, K	50 @ 500 MHz	2500	0.11	1000
WHI-1008-18NJ-LF	18 @ 50 MHz	J, K	50 @ 350 MHz	2400	0.12	1000
WHI-1008-22NJ-LF	22 @ 50 MHz	J, K	55 @ 350 MHz	2400	0.12	1000
WHI-1008-24NJ-LF	24 @ 50 MHz	J, K	55 @ 350 MHz	1900	0.12	1000
WHI-1008-27NJ-LF	27 @ 50 MHz	J, K	55 @ 350 MHz	1600	0.13	1000
WHI-1008-33NJ-LF	33 @ 50 MHz	G, J, K	60 @ 350 MHz	1600	0.14	1000
WHI-1008-39NJ-LF	39 @ 50 MHz	G, J, K	60 @ 350 MHz	1500	0.15	1000
WHI-1008-47NJ-LF	47 @ 50 MHz	G, J, K	65 @ 350 MHz	1500	0.16	1000
WHI-1008-56NJ-LF	56 @ 50 MHz	G, J, K	65 @ 350 MHz	1300	0.18	1000
WHI-1008-59NJ-LF	59 @ 50 MHz	G, J, K	65 @ 350 MHz	1250	0.20	1000
WHI-1008-68NJ-LF	68 @ 50 MHz	G, J, K	65 @ 350 MHz	1300	0.20	1000
WHI-1008-75NJ-LF	75 @ 50 MHz	G, J, K	60 @ 350 MHz	1100	0.21	1000
WHI-1008-82NJ-LF	82 @ 50 MHz	G, J, K	60 @ 350 MHz	1000	0.22	1000
WHI-1008-R10J-LF	100 @ 25 MHz	G, J, K	60 @ 350 MHz	1000	0.56	650
WHI-1008-R12J-LF	120 @ 25 MHz	G, J, K	60 @ 350 MHz	950	0.63	650
WHI-1008-R15J-LF	150 @ 25 MHz	G, J, K	45 @ 100 MHz	850	0.70	580
WHI-1008-R18J-LF	180 @ 25 MHz	G, J, K	45 @ 100 MHz	750	0.77	620
WHI-1008-R22J-LF	220 @ 25 MHz	G, J, K	45 @ 100 MHz	700	0.84	500
WHI-1008-R24J-LF	240 @ 25 MHz	G, J, K	45 @ 100 MHz	650	0.88	500
WHI-1008-R27J-LF	270 @ 25 MHz	G, J, K	45 @ 100 MHz	600	0.91	500
WHI-1008-R30J-LF	300 @ 25 MHz	G, J, K	45 @ 100 MHz	585	1.00	450
WHI-1008-R33J-LF	330 @ 25 MHz	G, J, K	45 @ 100 MHz	570	1.05	450
WHI-1008-R36J-LF	360 @ 25 MHz	G, J, K	45 @ 100 MHz	530	1.10	470
WHI-1008-R39J-LF	390 @ 25 MHz	G, J, K	45 @ 100 MHz	500	1.12	470
WHI-1008-R43J-LF	430 @ 25 MHz	G, J, K	45 @ 100 MHz	480	1.15	470
WHI-1008-R47J-LF	470 @ 25 MHz	G, J, K	45 @ 100 MHz	450	1.19	470
WHI-1008-R56J-LF	560 @ 25 MHz	G, J, K	45 @ 100 MHz	415	1.33	400
WHI-1008-R62J-LF	620 @ 25 MHz	G, J, K	45 @ 100 MHz	375	1.40	300
WHI-1008-R68J-LF	680 @ 25 MHz	G, J, K	45 @ 100 MHz	375	1.47	400
WHI-1008-R75J-LF	750 @ 25 MHz	G, J, K	45 @ 100 MHz	360	1.54	360
WHI-1008-R82J-LF	820 @ 25 MHz	G, J, K	45 @ 100 MHz	350	1.61	400

Wire Wound Ceramic High Frequency Inductors

WHI-1008-Series			ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (nH)	Tolerance	Q Min	SRF (MHz) Min	Rdc (Ω) Max	Idc (mA) Max
WHI-1008-R91J-LF	910 @ 25 MHz	G, J, K	35 @ 50 MHz	320	1.68	380
WHI-1008-1R0J-LF	1000 @ 25 MHz	G, J, K	35 @ 50 MHz	290	1.75	370
WHI-1008-1R2J-LF	1200 @ 7.9 MHz	G, J, K	35 @ 50 MHz	250	2.00	310
WHI-1008-1R5J-LF	1500 @ 7.9 MHz	G, J, K	28 @ 50 MHz	200	2.30	330
WHI-1008-1R8J-LF	1800 @ 7.9 MHz	G, J, K	28 @ 50 MHz	160	2.60	300
WHI-1008-2R2J-LF	2200 @ 7.9 MHz	G, J, K	28 @ 50 MHz	160	2.80	280
WHI-1008-2R7J-LF	2700 @ 7.9 MHz	G, J, K	22 @ 25 MHz	140	3.20	290
WHI-1008-3R3J-LF	3300 @ 7.9 MHz	G, J, K	22 @ 25 MHz	110	3.40	290
WHI-1008-3R9J-LF	3900 @ 7.9 MHz	G, J, K	20 @ 25 MHz	100	3.60	260
WHI-1008-4R7J-LF	4700 @ 7.9 MHz	G, J, K	20 @ 25 MHz	90	4.00	260
WHI-1008-5R6J-LF	5600 @ 7.9 MHz	G, J, K	16 @ 7.96 MHz	20	4.00	240
WHI-1008-6R8J-LF	6800 @ 7.9 MHz	G, J, K	15 @ 7.96 MHz	40	4.90	200
WHI-1008-8R2J-LF	8200 @ 7.9 MHz	G, J, K	15 @ 7.96 MHz	25	6.00	170
WHI-1008-100J-LF	10000 @ 2.52 MHz	J	15 @ 7.96 MHz	20	9.00	150
WHI-1008-120J-LF	12000 @ 2.52 MHz	G, J, K	15 @ 7.96 MHz	18	10.5	130
WHI-1008-150J-LF	15000 @ 2.52 MHz	G, J, K	15 @ 7.96 MHz	15	11.5	120

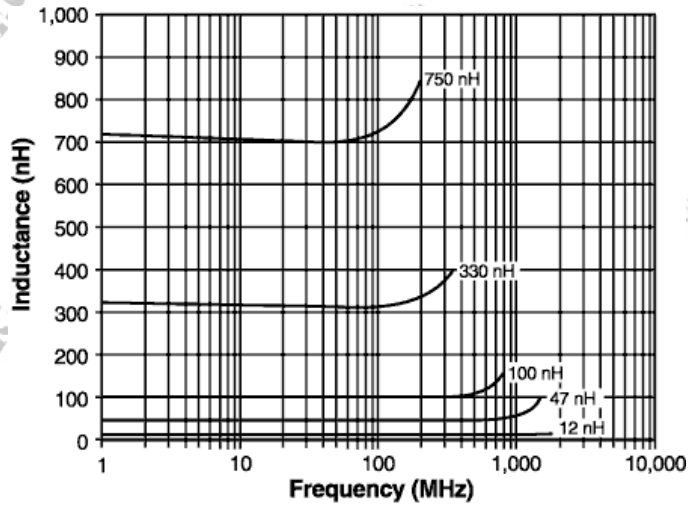
* All specifications are subjected to change without prior notice.

Wire Wound Ceramic High Frequency Inductors

Typical Electrical Characteristics

❖ WHI-1008-Series

Inductance Vs. Frequency Characteristics



Q Vs. Frequency Characteristics

