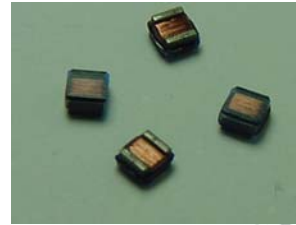


Wire Wound Ferrite Inductors

Features

- Ferrite core body with wirewound construction.
- High current rating, low DC resistance.
- Suitable for surface mount assembly end.
- IR reflow soldering.



Applications

- Cellular phones, pagers, PDAs
- Notebook, PC peripherals and others electronics devices.

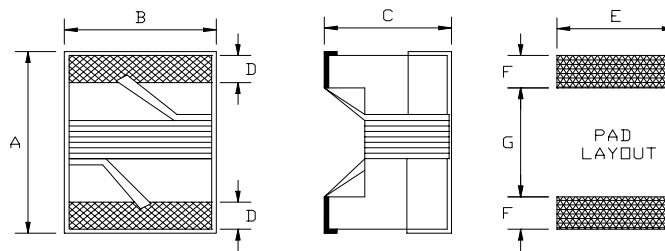
Part Number Systems

WHF - 1008 - 1R8 - K - LF

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

(1)	Product series	(2)	Size
(3)	Inductance Value: 1R8 = 1.8uH	(4)	Inductance Tolerance: J = ± 5%, K = ± 10%
(5)	ROHs Compliant		

Shape And Dimensions



Unit: mm

Type	A (Max)	B (Max)	C (Max)	D Ref.	E Ref.	F Ref	G Ref.
1008	2.92	2.79	2.03	0.51	2.54	1.02	1.27

Wire Wound Ferrite Inductors

WHF-1008-Series			ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	Q Min	SRF (MHz)	Rdc (Ω)	Idc (mA)
				Min	Max	Max
WHF-1008-R12J-LF	0.12 @ 25.2 MHz	J, K	30 @ 25.2 MHz	700	0.30	550
WHF-1008-R15J-LF	0.15 @ 25.2 MHz	J, K	30 @ 25.2 MHz	550	0.35	600
WHF-1008-R18J-LF	0.18 @ 25.2 MHz	J, K	30 @ 25.2 MHz	500	0.40	460
WHF-1008-R22J-LF	0.22 @ 25.2 MHz	J, K	30 @ 25.2 MHz	450	0.50	430
WHF-1008-R27J-LF	0.27 @ 25.2 MHz	J, K	30 @ 25.2 MHz	425	0.55	420
WHF-1008-R31J-LF	0.31 @ 25.2 MHz	J, K	30 @ 25.2 MHz	400	0.60	400
WHF-1008-R39J-LF	0.39 @ 25.2 MHz	J, K	30 @ 25.2 MHz	375	0.65	375
WHF-1008-R47J-LF	0.47 @ 25.2 MHz	J, K	30 @ 25.2 MHz	350	0.66	350
WHF-1008-R56J-LF	0.56 @ 25.2 MHz	J, K	30 @ 25.2 MHz	325	0.75	325
WHF-1008-R68J-LF	0.68 @ 25.2 MHz	J, K	30 @ 25.2 MHz	300	0.85	300
WHF-1008-R82J-LF	0.82 @ 25.2 MHz	J, K	27 @ 25.2 MHz	250	1.00	260
WHF-1008-1R0J-LF	1.00 @ 7.96 MHz	J, K	27 @ 7.96 MHz	220	1.10	245
WHF-1008-1R2J-LF	1.20 @ 7.96 MHz	J, K	27 @ 7.96 MHz	180	1.20	230
WHF-1008-1R5J-LF	1.50 @ 7.96 MHz	J, K	27 @ 7.96 MHz	135	1.30	220
WHF-1008-1R8J-LF	1.80 @ 7.96 MHz	J, K	27 @ 7.96 MHz	100	1.45	210
WHF-1008-2R2J-LF	2.20 @ 7.96 MHz	J, K	27 @ 7.96 MHz	75	1.55	200
WHF-1008-2R7J-LF	2.70 @ 7.96 MHz	J, K	27 @ 7.96 MHz	55	1.70	195
WHF-1008-3R3J-LF	3.30 @ 7.96 MHz	J, K	27 @ 7.96 MHz	48	1.95	186
WHF-1008-3R9J-LF	3.90 @ 7.96 MHz	J, K	27 @ 7.96 MHz	43	2.15	180
WHF-1008-4R7J-LF	4.70 @ 7.96 MHz	J, K	27 @ 7.96 MHz	40	2.30	175
WHF-1008-5R6J-LF	5.60 @ 7.96 MHz	J, K	27 @ 7.96 MHz	36	2.50	170
WHF-1008-6R8J-LF	6.60 @ 7.96 MHz	J, K	27 @ 7.96 MHz	33	2.70	165
WHF-1008-8R2J-LF	8.20 @ 7.96 MHz	J, K	27 @ 7.96 MHz	30	3.05	160
WHF-1008-100J-LF	10.0 @ 2.52 MHz	J, K	20 @ 2.52 MHz	27	3.50	155
WHF-1008-120J-LF	12.0 @ 2.52 MHz	J, K	20 @ 2.52 MHz	23	3.80	150
WHF-1008-150J-LF	15.0 @ 2.52 MHz	J, K	20 @ 2.52 MHz	20	4.40	140
WHF-1008-180J-LF	18.0 @ 2.52 MHz	J, K	20 @ 2.52 MHz	18	4.80	130
WHF-1008-220J-LF	22.0 @ 2.52 MHz	J, K	10 @ 2.52 MHz	17	5.50	125

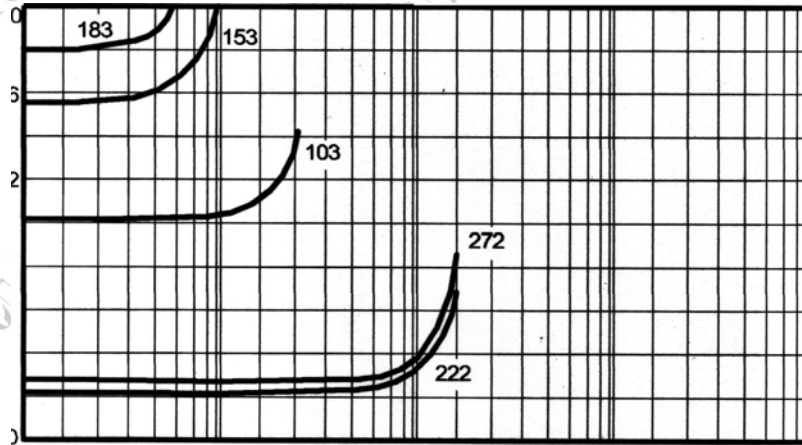
* All specifications are subjected to change without prior notice.

Wire Wound Ferrite Inductors

Typical Electrical Characteristics

❖ WHF-1008-Series

Inductance Vs. Frequency Characteristics



Q Vs. Frequency Characteristics

