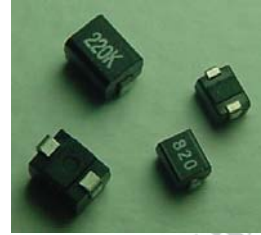


# Wire Wound Inductors

## Features

- High reliable wire wound structure in encapsulated case.
- Ideal for automatic surface mounting.
- High resistance to heat and humidity
- Resistance to mechanical shocks and pressure.
- Accurate dimension for automatically surface mount.



## Applications

- Digital cameras, Computer peripherals, Video cameras, Mobile communication.

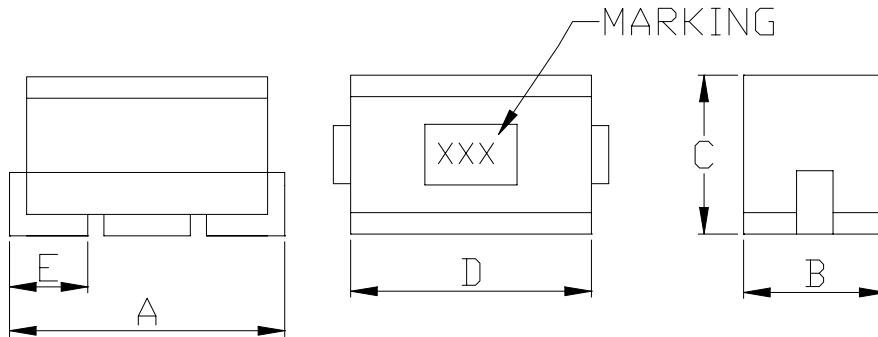
## Part Number Systems

**WI - 453232 - 1R0 - K - LF**

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

(1)	Product series	(2)	Size
(3)	Inductance Value: 1R0 = 1.0uH	(4)	Inductance Tolerance: J = ± 5%, K = ± 10%, M = ± 20%
(5)	ROHs Compliant		

## Shape And Dimensions



Unit: mm

Type	A	B	C	D	E Ref.
453232	4.5 ± 0.3	3.2 ± 0.2	3.2 ± 0.2	4.2 ± 0.2	0.9

## Wire Wound Inductors

WI-453232(1812)-Series				ELECTRICAL CHARACTERISTICS		
Part Number	Inductance (uH)	Tolerance	Q Min	SRF (MHz)	Rdc (Ω)	Idc (mA)
				Min	Max	Max
WI-453232-R10K-LF	0.10 @ 25.2 MHz	J, K, M	35 @ 100 MHz	300	0.18	800
WI-453232-R12K-LF	0.12 @ 25.2 MHz	J, K, M	35 @ 25.2 MHz	280	0.20	770
WI-453232-R15K-LF	0.15 @ 25.2 MHz	J, K, M	35 @ 25.2 MHz	250	0.22	730
WI-453232-R18K-LF	0.18 @ 25.2 MHz	J, K, M	35 @ 25.2 MHz	220	0.24	700
WI-453232-R22K-LF	0.22 @ 25.2 MHz	J, K, M	40 @ 25.2 MHz	200	0.25	665
WI-453232-R27K-LF	0.27 @ 25.2 MHz	J, K, M	40 @ 25.2 MHz	180	0.26	635
WI-453232-R33K-LF	0.33 @ 25.2 MHz	J, K, M	40 @ 25.2 MHz	165	0.28	605
WI-453232-R39K-LF	0.39 @ 25.2 MHz	J, K, M	40 @ 25.2 MHz	150	0.30	575
WI-453232-R47K-LF	0.47 @ 25.2 MHz	J, K, M	40 @ 25.2 MHz	145	0.32	545
WI-453232-R56K-LF	0.56 @ 25.2 MHz	J, K, M	40 @ 25.2 MHz	140	0.36	520
WI-453232-R68K-LF	0.68 @ 25.2 MHz	J, K, M	40 @ 25.2 MHz	135	0.40	500
WI-453232-R82K-LF	0.82 @ 25.2 MHz	J, K, M	40 @ 25.2 MHz	130	0.45	475
WI-453232-1R0K-LF	1.00 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	100	0.50	450
WI-453232-1R2K-LF	1.20 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	80	0.55	430
WI-453232-1R5K-LF	1.50 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	70	0.60	410
WI-453232-1R8K-LF	1.80 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	60	0.65	390
WI-453232-2R2K-LF	2.20 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	55	0.70	380
WI-453232-2R7K-LF	2.70 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	50	0.75	370
WI-453232-3R3K-LF	3.30 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	45	0.80	355
WI-453232-3R9K-LF	3.90 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	40	0.90	330
WI-453232-4R7K-LF	4.70 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	35	1.00	315
WI-453232-5R6K-LF	5.60 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	33	1.10	300
WI-453232-6R8K-LF	6.80 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	27	1.20	285
WI-453232-8R2K-LF	8.20 @ 7.96 MHz	J, K, M	50 @ 7.96 MHz	25	1.40	270
WI-453232-100K-LF	10 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	20	1.60	250
WI-453232-120K-LF	12 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	18	2.00	225
WI-453232-150K-LF	15 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	17	2.50	200
WI-453232-180K-LF	18 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	15	2.80	190
WI-453232-220K-LF	22 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	13	3.20	180
WI-453232-270K-LF	27 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	12	3.60	170
WI-453232-330K-LF	33 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	11	4.00	160
WI-453232-390K-LF	39 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	10	4.50	150

\* All specifications are subjected to change without prior notice.

## Wire Wound Inductors

WI-453232(1812)-Series			ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	Q Min	SRF (MHz) Min	Rdc (Ω) Max	Idc (mA) Max
WI-453232-470K-LF	47 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	10	5.0	140
WI-453232-560K-LF	56 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	9	5.5	35
WI-453232-680K-LF	68 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	9	6.0	130
WI-453232-820K-LF	82 @ 2.52 MHz	J, K, M	50 @ 2.52 MHz	8	7.0	120
WI-453232-101K-LF	100 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	8	8.0	110
WI-453232-121K-LF	120 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	6	8.0	110
WI-453232-151K-LF	150 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	5	9.0	105
WI-453232-181K-LF	180 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	5	9.5	102
WI-453232-221K-LF	220 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	4	10	100
WI-453232-271K-LF	270 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	4	12	92
WI-453232-331K-LF	330 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	3.5	14	85
WI-453232-391K-LF	390 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	3	18	80
WI-453232-471K-LF	470 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	3	26	62
WI-453232-561K-LF	560 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	3	30	50
WI-453232-681K-LF	680 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	3	30	50
WI-453232-821K-LF	820 @ 0.796 MHz	J, K, M	40 @ 0.796 MHz	2.5	35	30
WI-453232-102K-LF	1.00mH @ 0.252 MHz	J, K, M	40 @ 0.252 MHz	2.5	40	30

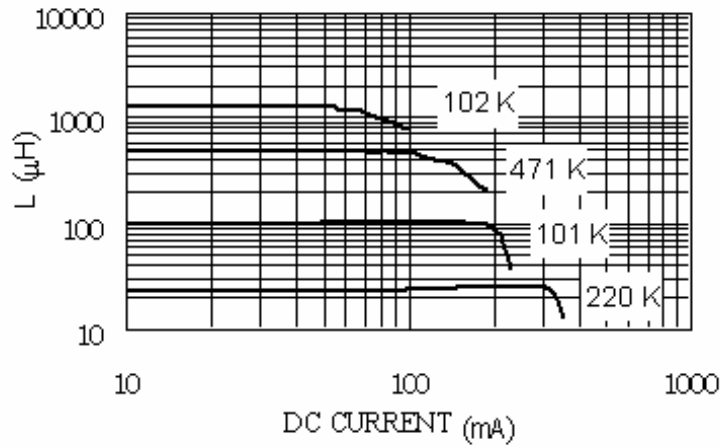
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# Wire Wound Inductors

## Typical Electrical Characteristics

❖ WI-453232 (1210)-Series

Inductance Vs. DC Superposition Characteristics



Q VS FREQUENCY

