

Inductor

Molded Wirewound Chip Inductor
SMD Type

WI Series

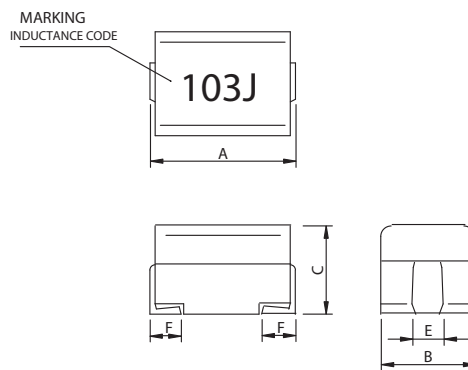
FEATURES

- Leaching resistant terminations due to metal tab electrodes
- Coils encapsulated in heat-proof resin make high accurate dimensions and resistant to mechanical shock or pressure
- High resistance to heat and humidity

APPLICATIONS

Microtelevisions, liquid crystal televisions, video cameras, portable VCRs, car radios, car stereos, thin type radios, television tuners, mobile telephones, radio equipment and modules such as hybrid ICs.

SHAPES AND DIMENSIONS



Shape	EIA Std	A	B	C	D	E	F
565050	2220	5.60 ± 0.30	5.00 ± 0.30	5.00 ± 0.30	1.00	2.00	1.0
453232	1812	4.50 ± 0.30	3.20 ± 0.20	3.20 ± 0.20	1.00	1.20	1.0
322522	1210	3.20 ± 0.40	2.50 ± 0.20	2.20 ± 0.20	0.60	1.00	0.6

Dimension in mm

PART NUMBER IDENTIFICATION

WI 322522 R10 M

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

- (1) Series name
- (2) Dimensions L x W x H
- (3) Inductance Code
- (4) Tolerance Code
J = ± 5 %
K = ± 10 %
M = ± 20 %

SPECIFICATIONS

- Operating temperature range - 25°C ~ + 85°C
- Storage temperature range - 40°C ~ + 100°C

Precautions

- After mounting components onto printed circuit board, do not apply stress through board bending or mishandling
- When hand soldering, apply solder iron to the printed circuit board only. Temperature of the iron tip should not exceed 230°C with soldering time < 3 seconds.
- Reflow soldering condition:
- 230 °C+/- 5°C (260 °C+/- 5°C for Pb free)

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Part Number	Inductance L (μH)	Q (MHz, Min)				100	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
		0.796	2.52	7.96	25.2				
WI 322522-R10X	0.10	-	-	-	-	28	450	0.44	700
WI 322522-R12X	0.12	-	-	-	30	-	450	0.22	500
WI 322522-R15X	0.15	-	-	-	30	-	450	0.25	450
WI 322522-R18X	0.18	-	-	-	30	-	450	0.28	400
WI 322522-R22X	0.22	-	-	-	30	-	450	0.32	350
WI 322522-R27X	0.27	-	-	-	30	-	450	0.36	320
WI 322522-R33X	0.33	-	-	-	30	-	450	0.40	300
WI 322522-R39X	0.39	-	-	-	30	-	450	0.45	250
WI 322522-R47X	0.47	-	-	-	30	-	450	0.50	220
WI 322522-R56X	0.56	-	-	-	30	-	450	0.55	180
WI 322522-R68X	0.68	-	-	-	30	-	450	0.60	160
WI 322522-R82X	0.82	-	-	-	30	-	450	0.65	140
WI 322522-1R0X	1.00	-	-	30	-	-	400	0.70	120
WI 322522-1R2X	1.20	-	-	30	-	-	390	0.75	100
WI 322522-1R5X	1.50	-	-	30	-	-	370	0.85	85
WI 322522-1R8X	1.80	-	-	30	-	-	350	0.90	80
WI 322522-2R2X	2.20	-	-	30	-	-	320	1.00	75
WI 322522-2R7X	2.70	-	-	30	-	-	290	1.10	70
WI 322522-3R3X	3.30	-	-	30	-	-	260	1.20	60
WI 322522-3R9X	3.90	-	-	30	-	-	250	1.30	55
WI 322522-4R7X	4.70	-	-	30	-	-	220	1.50	50
WI 322522-5R6X	5.60	-	-	30	-	-	200	1.60	47
WI 322522-6R8X	6.80	-	-	30	-	-	180	1.80	43
WI 322522-8R2X	8.20	-	-	30	-	-	170	2.00	40
WI 322522-100X	10.0	-	30	-	-	-	150	2.10	36
WI 322522-120X	12.0	-	30	-	-	-	140	2.50	33
WI 322522-150X	15.0	-	30	-	-	-	130	2.80	28
WI 322522-180X	18.0	-	30	-	-	-	120	3.30	25
WI 322522-220X	22.0	-	30	-	-	-	110	3.70	23
WI 322522-270X	27.0	-	30	-	-	-	80	5.00	18
WI 322522-330X	33.0	-	30	-	-	-	70	5.60	17
WI 322522-390X	39.0	-	30	-	-	-	65	6.40	16
WI 322522-470X	47.0	-	30	-	-	-	60	7.00	15
WI 322522-560X	56.0	-	30	-	-	-	55	8.00	13
WI 322522-680X	68.0	-	30	-	-	-	50	9.00	12
WI 322522-820X	82.0	-	30	-	-	-	45	10.00	11
WI 322522-101X	100.0	20	-	-	-	-	40	11.00	10
WI 322522-121X	120.0	20	-	-	-	-	70	11.00	10
WI 322522-151X	150.0	20	-	-	-	-	65	15.00	8
WI 322522-181X	180.0	20	-	-	-	-	60	17.00	7

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		0.252	0.796	2.52	7.96	25.2			
WI 453232-R10X	0.10	-	-	-	-	35	800	0.18	300
WI 453232-R12X	0.12	-	-	-	-	35	770	0.20	280
WI 453232-R15X	0.15	-	-	-	-	35	730	0.22	250
WI 453232-R18X	0.18	-	-	-	-	35	700	0.24	220
WI 453232-R22X	0.22	-	-	-	-	40	665	0.25	200
WI 453232-R27X	0.27	-	-	-	-	40	635	0.26	180
WI 453232-R33X	0.33	-	-	-	-	40	605	0.28	165
WI 453232-R39X	0.39	-	-	-	-	40	575	0.30	150
WI 453232-R47X	0.47	-	-	-	-	40	545	0.32	145
WI 453232-R56X	0.56	-	-	-	-	40	520	0.36	140
WI 453232-R68X	0.68	-	-	-	-	40	500	0.40	135
WI 453232-R82X	0.82	-	-	-	-	40	475	0.45	130
WI 453232-1R0X	1.00	-	-	-	50	-	450	0.50	100
WI 453232-1R2X	1.20	-	-	-	50	-	430	0.55	80.0
WI 453232-1R5X	1.50	-	-	-	50	-	410	0.60	70.0
WI 453232-1R8X	1.80	-	-	-	50	-	390	0.65	60.0
WI 453232-2R2X	2.20	-	-	-	50	-	380	0.70	55.0
WI 453232-2R7X	2.70	-	-	-	50	-	370	0.75	50.0
WI 453232-3R3X	3.30	-	-	-	50	-	355	0.80	45.0
WI 453232-3R9X	3.90	-	-	-	50	-	330	0.90	40.0
WI 453232-4R7X	4.70	-	-	-	50	-	315	1.00	35.0
WI 453232-5R6X	5.60	-	-	-	50	-	300	1.10	33.0
WI 453232-6R8X	6.80	-	-	-	50	-	285	1.20	27.0
WI 453232-8R2X	8.20	-	-	-	50	-	270	1.40	25.0
WI 453232-100X	10.0	-	-	50	-	-	250	1.60	20.0
WI 453232-120X	12.0	-	-	50	-	-	225	2.00	18.0
WI 453232-150X	15.0	-	-	50	-	-	200	2.50	17.0
WI 453232-180X	18.0	-	-	50	-	-	190	2.80	15.0
WI 453232-220X	22.0	-	-	50	-	-	180	3.20	13.0
WI 453232-270X	27.0	-	-	50	-	-	170	3.60	12.0
WI 453232-330X	33.0	-	-	50	-	-	160	4.00	11.0
WI 453232-390X	39.0	-	-	50	-	-	150	4.50	10.0
WI 453232-470X	47.0	-	-	50	-	-	140	5.00	10.0
WI 453232-560X	56.0	-	-	50	-	-	135	5.50	9.00
WI 453232-680X	68.0	-	-	50	-	-	130	6.00	9.00
WI 453232-820X	82.0	-	-	50	-	-	120	7.00	8.00
WI 453232-101X	100.0	-	40	-	-	-	110	8.00	8.00
WI 453232-121X	120.0	-	40	-	-	-	110	8.00	6.00
WI 453232-151X	150.0	-	40	-	-	-	105	9.00	5.00
WI 453232-181X	180.0	-	40	-	-	-	102	9.50	5.00
WI 453232-221X	220.0	-	40	-	-	-	100	10.0	4.00
WI 453232-271X	270.0	-	40	-	-	-	92	12.0	4.00
WI 453232-331X	330.0	-	40	-	-	-	85	14.0	3.50
WI 453232-391X	390.0	-	40	-	-	-	80	18.0	3.00
WI 453232-471X	470.0	-	40	-	-	-	62	26.0	3.00
WI 453232-561X	560.0	-	30	-	-	-	50	30.0	3.00
WI 453232-681X	680.0	-	30	-	-	-	50	30.0	3.00
WI 453232-821X	820.0	-	30	-	-	-	30	35.0	2.50
WI 453232-102X	1000.0	20	-	-	-	-	30	40.0	2.50

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		0.0796	0.252	0.796	2.52	7.96			
WI 565050-1R0X	1.00	-	-	-	-	10	1800	0.030	95.0
WI 565050-1R2X	1.20	-	-	-	-	10	1700	0.035	70.0
WI 565050-1R5X	1.50	-	-	-	-	10	1600	0.040	55.0
WI 565050-1R8X	1.80	-	-	-	-	10	1400	0.050	47.0
WI 565050-2R2X	2.20	-	-	-	-	10	1300	0.060	42.0
WI 565050-2R7X	2.70	-	-	-	-	10	1200	0.070	37.0
WI 565050-3R3X	3.30	-	-	-	-	10	1120	0.080	34.0
WI 565050-3R9X	3.90	-	-	-	-	10	1050	0.090	32.0
WI 565050-4R7X	4.70	-	-	-	-	10	950	0.110	29.0
WI 565050-5R6X	5.60	-	-	-	-	10	880	0.130	26.0
WI 565050-6R8X	6.80	-	-	-	-	10	810	0.150	24.0
WI 565050-8R2X	8.20	-	-	-	-	10	750	0.180	22.0
WI 565050-100X	10.00	-	-	-	10	-	690	0.210	19.0
WI 565050-120X	12.00	-	-	-	10	-	630	0.250	17.0
WI 565050-150X	15.00	-	-	-	10	-	580	0.300	16.0
WI 565050-180X	18.00	-	-	-	10	-	530	0.360	14.0
WI 565050-220X	22.00	-	-	-	10	-	480	0.430	13.0
WI 565050-270X	27.00	-	-	-	10	-	440	0.520	11.5
WI 565050-330X	33.00	-	-	-	10	-	400	0.620	10.5
WI 565050-390X	39.00	-	-	-	10	-	370	0.720	9.50
WI 565050-470X	47.00	-	-	-	10	-	340	0.850	8.50
WI 565050-560X	56.00	-	-	-	10	-	310	1.000	7.80
WI 565050-680X	68.00	-	-	-	10	-	290	1.200	7.00
WI 565050-820X	82.00	-	-	-	10	-	270	1.400	6.40
WI 565050-101X	100.00	-	-	20	-	-	250	1.600	6.00
WI 565050-121X	120.00	-	-	20	-	-	230	1.900	5.40
WI 565050-151X	150.00	-	-	20	-	-	210	2.200	4.80
WI 565050-181X	180.00	-	-	20	-	-	190	2.800	4.40
WI 565050-221X	220.00	-	-	20	-	-	170	3.400	3.90
WI 565050-271X	270.00	-	-	20	-	-	155	4.200	3.60
WI 565050-331X	330.00	-	-	20	-	-	140	4.900	3.20
WI 565050-391X	390.00	-	-	20	-	-	130	5.800	2.90
WI 565050-471X	470.00	-	-	20	-	-	120	7.000	2.60
WI 565050-561X	560.00	-	-	20	-	-	110	8.500	2.40
WI 565050-681X	680.00	-	-	20	-	-	100	10.00	2.20
WI 565050-821X	820.00	-	-	20	-	-	90	13.00	2.00
WI 565050-102X	1000.00	-	20	-	-	-	85	15.00	1.80
WI 565050-122X	1200.00	-	30	-	-	-	75	17.00	1.50
WI 565050-152X	1500.00	-	30	-	-	-	70	20.00	1.40
WI 565050-182X	1800.00	-	30	-	-	-	60	30.00	1.30
WI 565050-222X	2200.00	-	30	-	-	-	55	35.00	1.20
WI 565050-272X	2700.00	-	30	-	-	-	45	55.00	1.10
WI 565050-332X	3300.00	-	30	-	-	-	40	60.00	1.00
WI 565050-392X	3900.00	-	30	-	-	-	38	70.00	1.00
WI 565050-472X	4700.00	-	30	-	-	-	36	78.00	0.90
WI 565050-562X	5600.00	-	30	-	-	-	33	85.00	0.80
WI 565050-682X	6800.00	-	30	-	-	-	30	110.0	0.70
WI 565050-822X	8200.00	-	30	-	-	-	28	125.0	0.60
WI 565050-103X	10000.00	20	-	-	-	-	25	150.0	0.50