

◆ SMD Wire Wound Chip Inductor SRWI Series



FEATURES

- ◆ Ultra-small size exceptional Q and high SRFs make these inductors ideal for high frequency applications where size is at a premium.
- ◆ Have excellent DCR and current carrying characteristic

APPLICATIONS

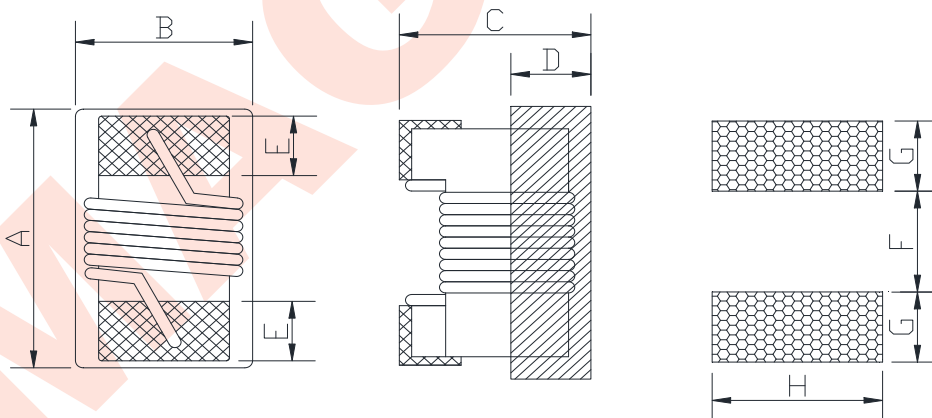
- ◆ Cordless phone and high frequency communication products.

PRODUCT IDENTIFICATION

SRWI 0805 - 100 S
 a b c d

- a: Series name
 b: Product dimensions
 c: Inductance Value
 (1R0:1.0uH; 100: 10uH; 101:100uH)
 d: Inductance Tolerance
 (S:±0.3nH D:±0.5nH J: ±5%)

SHAPES AND DIMENSIONS



Series	Dimensions(mm)							
	A Max.	B Max.	C Max.	D	E	F Ref.	G Ref.	H Ref.
SRWI0402	1.2	0.66	0.66	0.25	0.23	0.46	0.36	0.66
SRWI0603	1.8	1.12	1.02	0.45	0.33	0.64	0.64	1.02
SRWI0805	2.3	1.73	1.52	0.65	0.51	0.76	1.02	1.78

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ELECTRICAL CHARACTERISTICS

Part Number	L (nH)	Test Freq. (MHz)		Q (Typ.)	DCR Max. (Ω)	Rated Current (mA)	SRF Min.(GHz)
		L	Q				
SRWI0402-1N0J	1.0	250	900	26	0.045	1360	12.7
SRWI0402-2N0J	2.0	250	900	30	0.070	1040	11.1
SRWI0402-2N2J	2.2	250	900	32	0.070	960	10.8
SRWI0402-3N3J	3.3	250	900	41	0.066	840	7.0
SRWI0402-3N9J	3.9	250	900	41	0.066	840	6.0
SRWI0402-4N7J	4.7	250	900	48	0.130	640	4.77
SRWI0402-5N6J	5.6	250	900	46	0.083	760	4.80
SRWI0402-6N8J	6.8	250	900	49	0.083	680	4.80
SRWI0402-8N2J	8.2	250	900	49	0.100	680	4.40
SRWI0402-10NJ	10	250	900	47	0.200	480	3.90
SRWI0402-12NJ	12	250	900	51	0.120	640	3.60
SRWI0402-15NJ	15	250	900	54	0.170	560	3.28
SRWI0402-18NJ	18	250	900	50	0.230	420	3.10
SRWI0402-22NJ	22	250	900	53	0.300	400	2.80
SRWI0402-33NJ	33	250	900	31	0.300	400	2.35
SRWI0402-39NJ	39	250	900	47	0.550	200	2.10
SRWI0402-47NJ	47	250	900	38	0.830	150	2.10
SRWI0402-56NJ	56	250	900	42	0.970	100	1.76
SRWI0402-68NJ	68	250	900	36	1.12	100	1.62
SRWI0402-82NJ	82	250	900		1.55	50	1.26
SRWI0402-R10J	100	250	900		2.00	30	1.16

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Part Number	L (nH)	Test Freq. (MHz)	Q (Min.)	DCR Max. (Ω)	Rated Current (mA)	SRF Min.(GHz)
SRWI0603-1N8J	1.8	250	16	0.045	700	12.5
SRWI0603-2N2J	2.2	250	13	0.250	100	12.5
SRWI0603-3N3J	3.3	250	22	0.045	700	5.9
SRWI0603-3N9J	3.9	250	22	0.080	700	6.9
SRWI0603-4N7J	4.7	250	24	0.116	700	5.8
SRWI0603-5N6J	5.6	250	26	0.075	700	4.8
SRWI0603-6N8J	6.8	250	27	0.110	700	5.8
SRWI0603-8N2J	8.2	250	30	0.115	700	4.2
SRWI0603-10NJ	10	250	31	0.130	700	4.8
SRWI0603-12NJ	12	250	35	0.130	700	4.0
SRWI0603-15NJ	15	250	35	0.170	700	4.0
SRWI0603-18NJ	18	250	35	0.170	700	3.1
SRWI0603-22NJ	22	250	38	0.190	700	3.0
SRWI0603-27NJ	27	250	40	0.220	600	2.8
SRWI0603-33NJ	33	250	40	0.220	600	2.3
SRWI0603-39NJ	39	250	40	0.250	600	2.2
SRWI0603-47NJ	47	200	38	0.280	600	2.0
SRWI0603-56NJ	56	200	38	0.310	600	1.9
SRWI0603-68NJ	68	200	37	0.340	600	1.7
SRWI0603-82NJ	82	150	34	0.540	400	1.7
SRWI0603-R10J	100	150	34	0.580	400	1.4
SRWI0603-R12J	120	150	32	0.650	300	1.3
SRWI0603-R15J	150	150	28	0.920	280	0.99
SRWI0603-R18J	180	100	25	1.25	240	0.99
SRWI0603-R22J	220	100	25	2.10	200	0.90
SRWI0603-R27J	270	100	24	2.80	170	0.83
SRWI0603-R33J	330	100	25	3.89	100	0.79
SRWI0603-R39J	390	100	25	4.35	100	0.78
SRWI0603-R47J	470	100	25	4.50	80	0.70

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Part Number	L (nH)	Test Freq. (MHz)		Q (Min.)	DCR Max. (Ω)	Rated Current (mA)	SRF Min.(GHz)
		L	Q				
SRWI0805-3N3J	3.3	250	1500	50	0.08	600	7.90
SRWI0805-5N6J	5.6	250	1000	65	0.08	600	5.50
SRWI0805-6N8J	6.8	250	1000	50	0.11	600	5.50
SRWI0805-8N2J	8.2	250	1000	50	0.12	600	4.70
SRWI0805-10NJ	10	250	500	60	0.10	600	4.20
SRWI0805-12NJ	12	250	500	50	0.15	600	4.00
SRWI0805-15NJ	15	250	500	50	0.17	600	3.40
SRWI0805-18NJ	18	250	500	50	0.20	600	3.30
SRWI0805-22NJ	22	250	500	55	0.22	500	2.60
SRWI0805-27NJ	27	250	500	55	0.25	500	2.50
SRWI0805-33NJ	33	250	500	60	0.27	500	2.05
SRWI0805-39NJ	39	250	500	60	0.29	500	2.00
SRWI0805-47NJ	47	200	500	60	0.31	500	1.65
SRWI0805-56NJ	56	200	500	60	0.34	500	1.55
SRWI0805-68NJ	68	200	500	60	0.38	500	1.45
SRWI0805-82NJ	82	150	500	65	0.42	400	1.30
SRWI0805-R10J	100	150	500	65	0.46	400	1.20
SRWI0805-R12J	120	150	250	50	0.51	400	1.10
SRWI0805-R15	150	100	250	50	0.56	400	0.92
SRWI0805-R18J	180	100	250	50	0.64	400	0.87
SRWI0805-R22J	220	100	250	50	0.70	400	0.85
SRWI0805-R27J	270	100	250	48	1.00	350	0.65
SRWI0805-R33J	330	100	250	48	1.40	310	0.60
SRWI0805-R39J	390	100	250	48	1.50	290	0.56
SRWI0805-R47J	470	50	100	33	1.76	250	0.38
SRWI0805-R56J	560	25	50	23	1.90	230	0.34
SRWI0805-R68J	680	25	50	23	2.20	190	0.188
SRWI0805-R82J	820	25	50	23	2.35	180	0.215