

CHIP CERAMIC WIRE WOUND INDUCTORS 片式陶瓷绕线电感

CWIH 系列

FEATURES

- Small size suitable for surface mounting.
- High self-resonant frequency and high Q with ceramic material.
- High reliability due to ceramic wire wound construction.
- High inductance tolerance and stable inductance at high frequency.

APPLICATIONS

- For high frequency applications including, pager, computer, GPS, CDMA, TDMA, GSM, PCS phone, power AMP module, Bluetooth module, computer communications, radar detectors, W-LAN, etc.

ORDERING CODE

CWIH 1005C - 10N J T

└ Packing style(T:taping; B: bulk)
 └ Tol.(F: ±1%;G: ±2% nH;J: ±5%;K: ±10%)
 └ Inductance value(nH)
 └ Specification and material code
 └ Type

DIMENSIONS AND LAND PATTERNS(mm)

FIGURE1

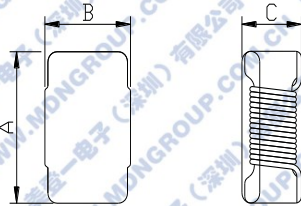
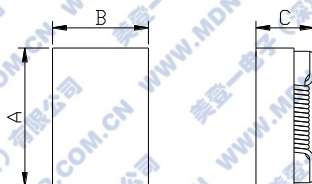


FIGURE2



特 征

- 小尺寸，适合表面贴片装；
- 陶瓷材料，具高自谐频率和高 Q 值；
- 陶瓷绕线结构具高度可靠性；
- 高精度、高可靠性。

用 途

适用于高频应用，包括寻呼机，数字无线电话，对讲机，卫星定位系统，CDMA、TDMA、GSM、PCS 制式手机模块，功率放大模块，蓝牙模块，计算机通讯，雷达探测器，无线网等。

SHAPE



TYPE	A	B	C	D	E	F	G	H	FIG
CWIH1005	1.00	0.68	0.55	0.2	0.55	0.50	0.35	0.75	1
CWIH1608	1.52	0.90	0.82	0.33	0.76	0.70	0.55	0.90	1
CWIH2012	2.30max	1.70max	1.60max	0.43	1.40	1.00	0.65	1.70	2
CWIH2520	2.85max	2.65max	2.16max	0.50	2.30	1.30	0.70	2.60	2

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PART NO.	L nH	Q(min)	TEST FREQ. MHz	SRF(min) MHz	DCR(max) Ω	Idc(max) mA
CWIH1005C-1N0	1.0	13	250	>6000	0.039	1000
CWIH1005C-2N2	2.2	16	250	>6000	0.073	840
CWIH1005C-2N4	2.4	16	250	>6000	0.073	840
CWIH1005C-2N7	2.7	16	250	>6000	0.073	840
CWIH1005C-3N9	3.9	17	250	5800	0.110	800
CWIH1005C-4N3	4.3	18	250	5800	0.110	800
CWIH1005C-4N7	4.7	20	250	5800	0.110	800
CWIH1005C-5N1	5.1	21	250	5800	0.110	800
CWIH1005C-6N8	6.8	23	250	4400	0.142	680
CWIH1005C-7N5	7.5	23	250	4400	0.142	680
CWIH1005C-8N2	8.2	24	250	4400	0.142	680
CWIH1005C-10N	10	25	250	3700	0.177	600
CWIH1005C-11N	11	25	250	3700	0.177	600
CWIH1005C-12N	12	25	250	3600	0.177	600
CWIH1005C-13N	13	26	250	3600	0.177	600
CWIH1005C-15N	15	26	250	3200	0.208	560
CWIH1005C-16N	16	26	250	3200	0.208	560
CWIH1005C-18N	18	26	250	3000	0.245	480
CWIH1005C-20N	20	26	250	3000	0.245	480
CWIH1005C-22N	22	26	250	2700	0.362	375
CWIH1005C-24N	24	26	250	2700	0.362	375
CWIH1005C-27N	27	26	250	2700	0.362	375
CWIH1005C-30N	30	26	250	2200	0.408	320
CWIH1005C-33N	33	26	250	2200	0.408	320
CWIH1005C-36N	36	26	250	2200	0.458	310
CWIH1005C-39N	39	26	250	2200	0.458	310
CWIH1005C-43N	43	26	250	2100	0.502	300
CWIH1005C-47N	47	26	250	2000	0.546	260
CWIH1005C-51N	51	26	250	2000	0.546	260
CWIH1005C-56N	56	26	250	1900	0.741	200
CWIH1005C-68N	68	26	250	1800	1.160	190
CWIH1005C-82N	82	26	250	1700	1.330	180
CWIH1005C-R10	100	26	250	1300	1.870	160
CWIH1005C-R12	120	26	250	1200	2.350	140

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PART NO.	L nH	Q(min)	TEST FREQ. MHz	SRF(min) MHz	DCR(max) Ω	Idc(max) mA
CWIH1608C-1N5	1.5	16	250	6000	0.05	700
CWIH1608C-3N6	3.6	22	250	5900	0.07	700
CWIH1608C-3N9	3.9	22	250	5900	0.08	700
CWIH1608C-4N3	4.3	22	250	5900	0.10	700
CWIH1608C-6N8	6.8	27	250	5800	0.11	700
CWIH1608C-7N5	7.5	28	250	4800	0.11	700
CWIH1608C-8N2	8.2	28	250	4600	0.11	700
CWIH1608C-8N7	8.7	28	250	4600	0.11	700
CWIH1608C-10N	10	31	250	4800	0.13	700
CWIH1608C-11N	11	33	250	4000	0.13	700
CWIH1608C-12N	12	35	250	4000	0.13	700
CWIH1608C-15N	15	35	250	4000	0.17	700
CWIH1608C-16N	16	34	250	3300	0.17	700
CWIH1608C-18N	18	35	250	3100	0.17	700
CWIH1608C-22N	22	38	250	3000	0.19	700
CWIH1608C-24N	24	37	250	2650	0.19	700
CWIH1608C-27N	27	40	250	2800	0.22	600
CWIH1608C-30N	30	37	250	2250	0.22	600
CWIH1608C-33N	33	40	250	2300	0.22	600
CWIH1608C-36N	36	38	250	2080	0.25	600
CWIH1608C-39N	39	40	250	2200	0.25	600
CWIH1608C-43N	43	39	250	2000	0.28	600
CWIH1608C-47N	47	38	200	2000	0.28	600
CWIH1608C-56N	56	38	200	1900	0.31	600
CWIH1608C-68N	68	37	200	1700	0.34	600
CWIH1608C-72N	72	34	150	1700	0.49	400
CWIH1608C-82N	82	34	150	1700	0.54	400
CWIH1608C-R10	100	34	150	1400	0.58	400
CWIH1608C-R11	110	32	150	1350	0.61	300
CWIH1608C-R12	120	32	150	1300	0.72	250
CWIH1608C-R15	150	32	150	1300	1.20	200
CWIH1608C-R18	180	25	100	1200	1.35	180
CWIH1608C-R22	220	25	100	1150	1.95	160
CWIH1608C-R27	270	28	100	900	2.60	150
CWIH1608C-R33	330	27	100	800	3.70	130
CWIH1608C-R39	390	27	100	700	4.80	120

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PART NO.	L nH	Q(min)	TEST FREQ. MHz	SRF(min) MHz	DCR(max) Ω	Idc(max) mA
CWIH2012C-3N3	3.3	50	200	6000	0.08	600
CWIH2012C-6N8	6.8	50	200	5500	0.11	600
CWIH2012C-8N2	8.2	50	200	4700	0.12	600
CWIH2012C-12N	12	45	200	4000	0.15	600
CWIH2012C-15N	15	45	200	3400	0.17	600
CWIH2012C-18N	18	45	200	3300	0.20	600
CWIH2012C-22N	22	45	200	2600	0.22	500
CWIH2012C-27N	27	45	200	2500	0.25	500
CWIH2012C-33N	33	40	200	2050	0.27	500
CWIH2012C-39N	39	40	200	2000	0.29	500
CWIH2012C-47N	47	40	150	1650	0.31	500
CWIH2012C-56N	56	40	150	1550	0.34	500
CWIH2012C-68N	68	40	150	1450	0.38	500
CWIH2012C-82N	82	40	150	1300	0.42	400
CWIH2012C-R10	100	40	150	1200	0.46	400
CWIH2012C-R12	120	35	100	1100	0.51	400
CWIH2012C-R15	150	35	100	920	0.56	400
CWIH2012C-R18	180	35	100	870	0.64	400
CWIH2012C-R22	220	30	100	850	0.70	400
CWIH2012C-R27	270	28	100	650	1.00	350
CWIH2012C-R33	330	25	100	600	1.40	310
CWIH2012C-R39	390	23	100	560	1.50	290
CWIH2012C-R47	470	23	50	375	1.76	250
CWIH2012C-R56	560	23	25.2	340	1.90	230
CWIH2012C-R68	680	23	25.2	188	2.20	190
CWIH2012C-R82	820	23	25.2	215	2.35	180
CWIH2012C-1R0	1000	23	25.2	300	3.20	140

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PART NO.	L nH	Q(min)	TEST FREQ. MHz	SRF(min) MHz	DCR(max) Ω	Idc(max) mA
CWIH2520C-10N	10	50	50	4100	0.08	1000
CWIH2520C-12N	12	50	50	3300	0.09	1000
CWIH2520C-18N	18	50	50	2500	0.11	1000
CWIH2520C-22N	22	50	50	2400	0.12	1000
CWIH2520C-27N	27	50	50	1800	0.13	1000
CWIH2520C-33N	33	50	50	1600	0.14	1000
CWIH2520C-39N	39	50	50	1500	0.15	1000
CWIH2520C-47N	47	50	50	1500	0.16	1000
CWIH2520C-56N	56	50	50	1300	0.18	1000
CWIH2520C-68N	68	50	50	1300	0.20	1000
CWIH2520C-82N	82	50	50	950	0.22	1000
CWIH2520C-R10	100	50	50	950	0.56	800
CWIH2520C-R12	120	25	25.2	950	0.63	800
CWIH2520C-R15	150	25	25.2	850	0.70	800
CWIH2520C-R18	180	25	25.2	750	0.77	750
CWIH2520C-R22	220	25	25.2	600	0.84	720
CWIH2520C-R27	270	28	25.2	550	0.91	690
CWIH2520C-R33	330	28	25.2	500	1.05	660
CWIH2520C-R39	390	30	25.2	465	1.12	630
CWIH2520C-R47	470	30	25.2	450	1.19	600
CWIH2520C-R56	560	30	25.2	415	1.33	580
CWIH2520C-R62	620	30	25.2	375	1.40	560
CWIH2520C-R68	680	30	25.2	375	1.47	540
CWIH2520C-R75	750	33	25.2	330	1.54	520
CWIH2520C-R82	820	33	25.2	325	1.61	500
CWIH2520C-R91	910	33	25.2	305	1.68	480
CWIH2520C-1R0	1000	33	25.2	240	1.75	460
CWIH2520C-1R2	1200	20	7.96	200	2.00	440
CWIH2520C-1R5	1500	20	7.96	165	2.30	420
CWIH2520C-1R8	1800	20	7.96	150	2.60	400
CWIH2520C-2R2	2200	20	7.96	140	2.80	380
CWIH2520C-2R7	2700	20	7.96	110	3.20	360
CWIH2520C-3R3	3300	20	7.96	90	3.40	350
CWIH2520C-3R9	3900	20	7.96	70	3.60	340
CWIH2520C-4R7	4700	20	7.96	60	4.00	330