

FEATURES

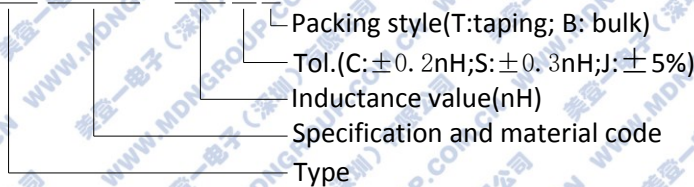
- Monolithic structure for high reliability.
- High self-resonant frequency, high Q, stable inductance in high frequency is achieved by the unique low-capacitance structure.
- Supports operating frequency bands of up to 12GHz with nominal inductance values 1.0 to 470nH.
- Excellent solderability and high heat resistance.

APPLICATIONS

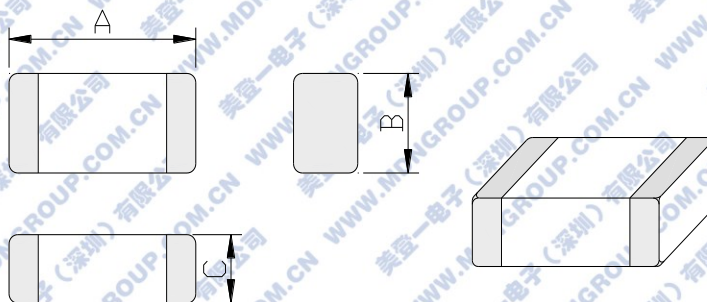
- For high frequency applications including, pager, computer, GPS, CDMA, TDMA, GSM, PCS phone, power AMP module, Bluetooth module, computer communications, radar detectors, etc.

ORDERING CODE

CMIH 1005C - 1N0 S T



DIMENSIONS AND LAND PATTERNS(mm)



TYPE	A	B	C	D
CMIH1005	1.0±0.15	0.5±0.15	0.5±0.15	0.25±0.1
CMIH1608	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2

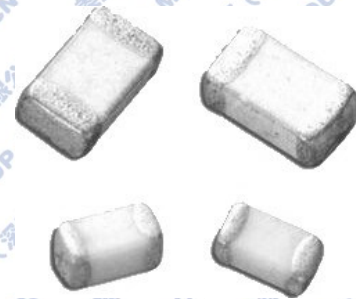
特 征

- 叠层独石结构、高度可靠性；
- 高自谐频率；独特的低电容值结构，在高频具有高Q值。
- 支持操作频率达 12GHz,电感量从 1.0nH 到 470nH.
- 具有优良的焊接性能及耐高温性能；

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，雷达探测器等。

SHAPE



CHIP CERAMIC INDUCTORS 片式陶瓷电感

CMIH 系列

PART NO.	L、Q @ 100MHz		Q(typ)@ FREQUENCY (MHz)					SRF (min) MHz	DCR (max) Ω	Idc (max) mA
	L (nH)	Q min	100	300	500	1000	1800			
CMIH1005C-1N0	1.0±0.3	5	9	16	20	28	31	>8500	0.10	500
CMIH1005C-1N2	1.2±0.3	5	9	15	18	27	31	>8500	0.12	500
CMIH1005C-1N5	1.5±0.3	5	7	1	16	21	29	>8500	0.15	500
CMIH1005C-1N8	1.8±0.3	5	7	12	16	21	29	>8500	0.17	500
CMIH1005C-2N2	2.2±0.3	5	7	12	16	21	30	>8500	0.17	500
CMIH1005C-2N7	2.7±0.3	5	7	12	16	21	29	>8500	0.20	500
CMIH1005C-3N3	3.3±0.3	5	7	12	15	20	27	>8500	0.22	400
CMIH1005C-3N9	3.9±0.3	5	7	12	15	19	28	7500	0.25	400
CMIH1005C-4N7	4.7±0.3	5	7	12	15	20	27	6500	0.28	400
CMIH1005C-5N6	5.6±0.3	5	8	12	15	22	30	6500	0.30	400
CMIH1005C-6N8	6.8±5%	5	8	12	15	22	30	6500	0.35	400
CMIH1005C-8N2	8.2±5%	5	8	12	15	21	30	6500	0.38	350
CMIH1005C-10N	10±5%	5.5	7	11	15	19	25	5400	0.70	200
CMIH1005C-12N	12±5%	7	7.5	12	15	20	27	4100	0.80	200
CMIH1005C-15N	15±5%	7	7.7	12	15	20	26	4000	0.90	200
CMIH1005C-18N	18±5%	7	8	13	16	21	26	3700	1.00	150
CMIH1005C-22N	22±5%	7	8.5	13	17	23	28	3500	1.20	150
CMIH1005C-27N	27±5%	7	8.5	13	17	23	28	3400	1.50	150
CMIH1005C-33N	33±5%	7	8.3	13	17	23	28	3200	1.80	150
CMIH1005C-39N	39±5%	7	8	14	17	21	24	2500	2.00	100
CMIH1005C-47N	47±5%	7	8.8	14	18	24	29	2400	2.20	100
CMIH1005C-56N	56±5%	7	8.8	14	18	24	29	2300	2.50	100
CMIH1005C-68N	68±5%	7	8.6	14	17	24	29	2200	2.70	100
CMIH1005C-82N	82±5%	7	8	13	17	20	16	2100	2.90	100
CMIH1005C-R10	100±5%	7	8	13	17	20	13	2000	3.20	100

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	L (nH)	Q min	100	300	500	1000	1800			
CMIH1608C-10N	10±5%	8	10	22	28	39	45	>6000	0.6	500
CMIH1608C-12N	12±5%	8	10	18	23	32	42	6000	0.7	500
CMIH1608C-15N	15±5%	8	12	22	28	39	42	5500	0.8	500
CMIH1608C-18N	18±5%	8	10	18	22	30	43	5200	0.9	300
CMIH1608C-22N	22±5%	8	12	21	27	37	37	5000	1.0	300
CMIH1608C-27N	27±5%	8	10	18	24	32	38	4800	1.2	300
CMIH1608C-33N	33±5%	8	12	21	27	35	31	4500	1.4	300
CMIH1608C-39N	39±5%	8	11	20	26	34	29	4000	1.5	200
CMIH1608C-47N	47±5%	8	12	20	26	34	27	3500	1.6	200
CMIH1608C-56N	56±5%	8	11	20	26	34	24	3000	1.8	200
CMIH1608C-68N	68±5%	8	10	18	21	28	20	2800	2.0	200
CMIH1608C-82N	82±5%	8	10	19	22	26	15	2500	2.2	200
CMIH1608C-R10	100±5%	8	10	19	24	25		2000	2.5	150
CMIH1608C-R12	120±5%	8	10	19	23	24		1600	2.8	150
CMIH1608C-R15	150±5%	8	10	18	24	23		1400	3.0	150
CMIH1608C-R18	180±5%	8	10	17	22			1000	3.4	150