

SMD Multilayer Chip Ceramic Inductor-HCI Series



■ Feature

1. Monolithic construction yields high reliability
2. High self-resonant frequency
3. Excellent solderability and heat resistance for either flow or reflow soldering

■ Applications

1. High frequency circuits of telecommunication
2. Mobile phones such as GSM,CDMA,PDC,etc
3. Bluetooth
4. Other High frequency circuits in general

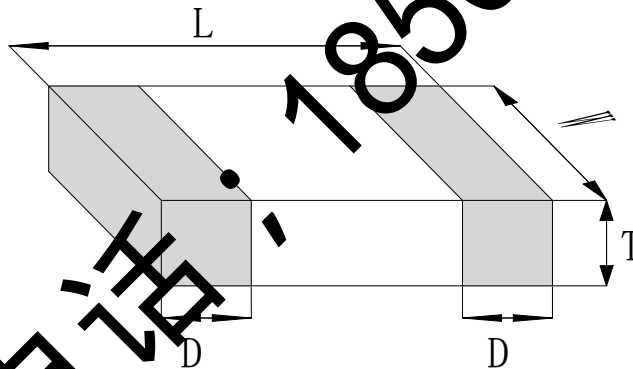
■ Product Identification

HCI 0603 - R15 J

1 2 3 4

1. Series name
2. Dimension
3. Inductance(R15=150nH)
4. Tolerance(M:20%,K:10%,J:5%)

■ Configurations & Dimensions



Series Name	L	W	T	D
FHW0201(0603)	0.6±0.05(0.024±0.002)	0.30±0.05(0.012±0.002)	0.30±0.05(0.012±0.002)	0.10~0.20(0.004~0.008)
FHW0402(1005)	1.0±0.15(0.040±0.006)	0.50±0.15(0.020±0.006)	0.50±0.15(0.020±0.006)	0.25±0.10(0.010±0.004)
FHW0603(1608)	1.6±0.15(0.063±0.006)	0.80±0.15(0.031±0.006)	0.80±0.15(0.031±0.006)	0.30±0.20(0.012±0.008)
FHW0805(2012)	2.0±0.20(0.079±0.008)	1.25±0.20(0.049±0.008)	0.85±0.20(0.033±0.008)	0.50±0.30(0.020±0.012)

Unit: mm(inch)

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Electrical Characteristics

Part Number	Inductance (nH)	Q Min. (MHz)			Inductance Test Freq. (MHz)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(GHz)
		500	800	1800				
FHW0201-0N6J	0.6	>24	>32	>54	500	0.06	600	10
FHW0201-1N0J	1.0	24	32	54	500	0.08	520	10
FHW0201-1N2J	1.2	19	25	43	500	0.12	420	10
FHW0201-1N5J	1.5	19	24	39	500	0.12	420	10
FHW0201-1N8J	1.8	17	24	39	500	0.15	380	10
FHW0201-2N2J	2.2	17	24	38	500	0.25	290	10
FHW0201-2N4J	2.4	17	23	36	500	0.22	310	10
FHW0201-2N7J	2.7	18	22	34	500	0.22	310	9.2
FHW0201-3N3J	3.3	16	23	34	500	0.30	270	8.1
FHW0201-3N9J	3.9	16	22	33	500	0.42	230	7.4
FHW0201-4N3J	4.1	16	21	32	500	0.44	220	6.8
FHW0201-4N7J	4.7	16	22	33	500	0.45	220	6.2
FHW0201-5N1J	5.1	17	22	34	500	0.46	210	5.9
FHW0201-5N6J	5.6	16	21	33	500	0.46	210	5.5
FHW0201-6N2J	6.2	18	23	34	500	0.48	210	5.1
FHW0201-6N8J	6.8	17	22	32	500	0.50	200	4.9
FHW0201-7N5J	7.5	16	21	31	500	0.50	200	4.7
FHW0201-8N2J	8.2	16	20	31	500	0.56	190	4.3
FHW0201-9N1J	9.1	16	20	30	500	0.72	170	4.1
FHW0201-10NJ	10	16	20	28	500	0.80	160	3.8
FHW0201-12NJ	12	16	20	27	500	0.80	160	3.4
FHW0201-15NJ	15	15	19	24	500	0.85	160	2.6
FHW0201-18NJ	18	15	19	23	500	1.00	140	2.3
FHW0201-22NJ	22	15	19	22	500	1.20	130	1.9
FHW0201-27NJ	27	14	17	15	500	1.50	100	2.0
FHW0201-33NJ	33	15	17	12	300	1.70	100	1.7
FHW0201-39NJ	39	14	15	3	300	2.50	80	1.5
FHW0201-47NJ	47	14	14	1	300	2.70	80	1.3
FHW0201-56NJ	56	13	13	-	300	3.20	60	1.2

品牌；FHW-丰辉旺电感

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Electrical Characteristics

Part Number	Inductance (nH)	Q Min. (MHz)			Inductance Test Freq. (MHz)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(GHz)
		100	900	1800				
FHW0402-1N0J	1.0	9	44	50	100	0.08	400	10
FHW0402-1N2J	1.2	9	44	50	100	0.08	400	10
FHW0402-1N5J	1.5	9	43	48	100	0.10	400	6.0
FHW0402-1N8J	1.8	9	35	45	100	0.12	400	6.0
FHW0402-2N2J	2.2	9	30	43	100	0.12	400	6.0
FHW0402-2N7J	2.7	9	30	40	100	0.13	400	6.0
FHW0402-3N3J	3.3	9	30	40	100	0.15	400	6.0
FHW0402-3N9J	3.9	9	30	41	100	0.21	400	4.5
FHW0402-4N7J	4.7	9	29	38	100	0.21	300	4.5
FHW0402-5N6J	5.6	9	25	32	100	0.23	300	4.0
FHW0402-6N8J	6.8	9	25	33	100	0.25	300	4.0
FHW0402-7N5J	7.5	9	25	32	100	0.35	300	3.6
FHW0402-8N2J	8.2	9	25	32	100	0.35	300	3.6
FHW0402-9N1J	9.1	9	25	31	100	0.42	300	3.2
FHW0402-10NJ	10	9	26	30	100	0.42	300	3.2
FHW0402-12NJ	12	9	26	29	100	0.50	300	2.8
FHW0402-15NJ	15	9	25	28	100	0.60	300	2.5
FHW0402-18NJ	18	9	25	24	100	0.80	300	2.2
FHW0402-22NJ	22	9	24	22	100	0.85	300	1.9
FHW0402-27NJ	27	9	23	21	100	1.00	300	1.6
FHW0402-33NJ	33	9	22	20	100	1.00	200	1.3
FHW0402-39NJ	39	9	21	19	100	1.30	200	1.2
FHW0402-47NJ	47	9	20	18	100	1.50	200	1.0
FHW0402-56NJ	56	9	17	17	100	1.80	200	0.75
FHW0402-68NJ	68	9	15	16	100	1.95	180	0.75
FHW0402-82NJ	82	9	14	15	100	2.10	150	0.60
FHW0402-R10J	100	9	13	14	100	2.50	150	0.60
FHW0402-R15J	150	8	12	13	100	2.35	150	0.55
FHW0402-R18J	180	8	11	12	100	2.55	100	0.50
FHW0402-R22J	220	8	10	11	100	2.65	100	0.45
FHW0402-R33J	330	8	9	10	50	3.00	50	0.35

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FHW0603-1N0J	1.0	100	8	0.05	500	>10
FHW0603-1N2J	1.2	100	8	0.05	500	>10
FHW0603-1N5J	1.5	100	8	0.10	500	>10
FHW0603-1N8J	1.8	100	8	0.10	500	>10
FHW0603-2N2J	2.2	100	8	0.10	500	10
FHW0603-2N7J	2.7	100	10	0.10	500	9.0
FHW0603-3N3J	3.3	100	10	0.12	500	8.0
FHW0603-3N9J	3.9	100	10	0.14	500	7.0
FHW0603-4N7J	4.7	100	10	0.16	500	5.5
FHW0603-5R6J	5.6	100	10	0.18	500	4.5
FHW0603-6N8J	6.8	100	10	0.22	500	4.0
FHW0603-8N2J	8.2	100	10	0.24	500	3.6
FHW0603-10NJ	10	100	12	0.26	300	3.4
FHW0603-12NJ	12	100	12	0.30	300	2.8
FHW0603-15NJ	15	100	12	0.32	300	2.5
FHW0603-18NJ	18	100	12	0.35	300	2.1
FHW0603-22NJ	22	100	12	0.40	300	1.7
FHW0603-27NJ	27	100	12	0.45	300	1.5
FHW0603-33NJ	33	100	12	0.55	300	1.3
FHW0603-39NJ	39	100	12	0.60	300	1.1
FHW0603-47NJ	47	100	12	0.70	300	1.0
FHW0603-56NJ	56	100	12	0.75	300	0.90
FHW0603-68NJ	68	100	12	0.85	300	0.70
FHW0603-82NJ	82	100	12	0.95	300	0.60
FHW0603-100NJ	100	100	12	1.00	300	0.60
FHW0603-R12J	120	50	8	1.30	300	0.50
FHW0603-R15J	150	50	8	1.50	300	0.50
FHW0603-R18J	180	50	8	1.80	300	0.40
FHW0603-R22J	220	50	8	2.10	300	0.40
FHW0603-R27J	270	50	8	2.40	300	0.35
FHW0603-R33J	330	50	8	3.00	300	0.35

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FHW0805-1N5J	1.5	100	10	0.10	600	6.0
FHW0805-1N8J	1.8	100	10	0.10	600	6.0
FHW0805-2N2J	2.2	100	10	0.10	600	6.0
FHW0805-2N7J	2.7	100	12	0.10	600	6.0
FHW0805-3N3J	3.3	100	12	0.13	600	6.0
FHW0805-3N9J	3.9	100	12	0.15	600	5.0
FHW0805-4N7J	4.7	100	12	0.20	600	4.0
FHW0805-5N6J	5.6	100	15	0.23	400	3.5
FHW0805-6N8J	6.8	100	15	0.25	400	2.8
FHW0805-8N2J	8.2	100	15	0.28	400	2.4
FHW0805-10NJ	10	100	15	0.30	300	2.1
FHW0805-12NJ	12	100	15	0.35	300	1.9
FHW0805-15NJ	15	100	15	0.40	300	1.8
FHW0805-18NJ	18	100	15	0.45	300	1.5
FHW0805-22NJ	22	100	15	0.50	300	1.4
FHW0805-27NJ	27	100	15	0.55	300	1.3
FHW0805-33NJ	33	100	15	0.60	300	1.2
FHW0805-39NJ	39	100	15	0.65	300	1.0
FHW0805-47NJ	47	100	15	0.70	300	0.90
FHW0805-56NJ	56	100	15	0.75	300	0.80
FHW0805-68NJ	68	100	15	0.80	300	0.70
FHW0805-82NJ	82	100	15	0.90	300	0.60
FHW0805-R10J	100	100	15	0.90	300	0.60
FHW0805-R12J	120	100	13	0.95	300	0.50
FHW0805-R15J	150	50	13	1.00	300	0.50
FHW0805-R18J	180	50	13	1.20	300	0.40
FHW0805-R22J	220	50	12	1.40	300	0.35
FHW0805-R27J	270	50	12	1.70	300	0.30
FHW0805-R33J	330	50	12	2.00	300	0.25
FHW0805-R39J	390	50	10	2.50	300	0.25
FHW0805-R47J	470	50	10	2.80	300	0.20

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