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Chip Inductor Precision Winding (High Q) Type

HDTC Ceramic High Q Series

0402(1005)/(0603)1608/(0805)2012 Size

Ordering Information

HDTC	0402	C	10N	J	S	T
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(1) Series Name

(2) Product Dimension (L*W Inch)

(3) Features

(4) Inductance Value (1N0: 1.0nH / 10N: 10nH / R10: 100nH)

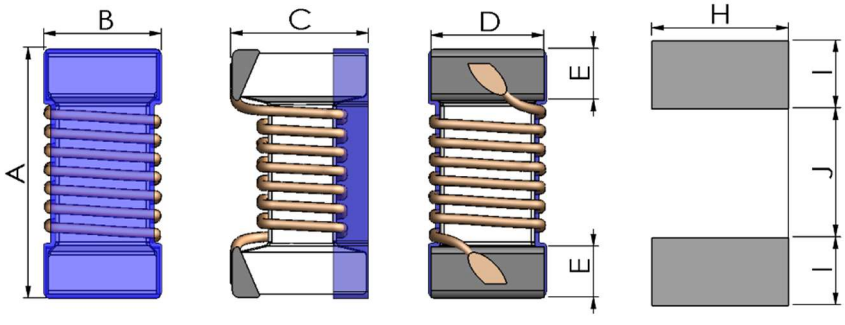
(5) Inductance Tolerance

Code	B	C	S	D	G	H	J	K
Tolerance	±0.1nH	±0.2nH	±0.3nH	±0.5nH	±2%	±3%	±5%	±10%

(6) Termination Materials (S: Sn)

(7) Packing Style (T: Taping / B: Bulk)

Shape & Dimensions



Series	Dimensions (mm)							
	A	B	C	D	E	H	I	J
HDTC0402C/HP	1.19 Max.	0.64 Max.	0.66 Max.	0.5±0.1	0.2±0.1	0.66 Typ.	0.35 Typ.	0.50 Typ.
HDTC0402H/P	1.1±0.1	0.6±0.1	0.6±0.1	0.5±0.1	0.2±0.1	0.66 Typ.	0.35 Typ.	0.50 Typ.
HDTC0603	1.8 Max.	1.12 Max.	1.02 Max.	0.8 Typ.	0.3±0.1	1.02 Typ.	0.64 Typ.	0.64 Typ.
HDTC0805	2.3 Max.	1.73 Max.	1.52 Max.	1.27 Typ.	0.4 ±0.1	1.78 Typ.	0.76 Typ.	1.02 Typ.

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Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0402(1005) Size

Electrical Characteristics
HDTC0402C Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402C1N0_ST	1.0	250	20	250	0.045	1360	12.70
HDTC0402C1N2_ST	1.2	250	15	250	0.090	740	12.90
HDTC0402C1N8_ST	1.8	250	20	250	0.070	1040	12.00
HDTC0402C1N9_ST	1.9	250	20	250	0.070	1040	11.30
HDTC0402C2N0_ST	2.0	250	23	250	0.070	1040	11.00
HDTC0402C2N2_ST	2.2	250	22	250	0.070	960	10.80
HDTC0402C2N4_ST	2.4	250	22	250	0.068	790	10.50
HDTC0402C2N7_ST	2.7	250	24	250	0.120	640	10.40
HDTC0402C3N0_ST	3.0	250	24	250	0.066	840	7.00
HDTC0402C3N3_ST	3.3	250	24	250	0.066	840	7.00
HDTC0402C3N6_ST	3.6	250	24	250	0.066	840	6.80
HDTC0402C3N9_ST	3.9	250	24	250	0.066	840	6.00
HDTC0402C4N3_ST	4.3	250	22	250	0.091	700	6.00
HDTC0402C4N7_ST	4.7	250	20	250	0.130	640	4.77
HDTC0402C5N1_ST	5.1	250	23	250	0.083	800	4.80
HDTC0402C5N6_ST	5.6	250	25	250	0.083	760	5.80
HDTC0402C6N2_ST	6.2	250	25	250	0.083	760	4.80
HDTC0402C6N8_ST	6.8	250	24	250	0.083	680	4.80
HDTC0402C7N5_ST	7.5	250	25	250	0.100	680	4.80
HDTC0402C8N2_ST	8.2	250	25	250	0.100	680	4.40
HDTC0402C8N7_ST	8.7	250	25	250	0.200	480	4.10
HDTC0402C9N0_ST	9.0	250	25	250	0.100	680	4.16
HDTC0402C9N5_ST	9.5	250	25	250	0.200	480	4.00
HDTC0402C10N_ST	10	250	24	250	0.200	480	3.90
HDTC0402C11N_ST	11	250	26	250	0.120	640	3.68
HDTC0402C12N_ST	12	250	26	250	0.120	640	3.60
HDTC0402C13N_ST	13	250	24	250	0.210	440	3.45
HDTC0402C15N_ST	15	250	26	250	0.170	560	3.28
HDTC0402C16N_ST	16	250	25	250	0.220	560	3.10
HDTC0402C18N_ST	18	250	25	250	0.23	420	3.10

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Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402C Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402C19N_ST	19	250	25	250	0.20	480	3.04
HDTC0402C20N_ST	20	250	26	250	0.250	420	3.00
HDTC0402C22N_ST	22	250	25	250	0.300	400	2.80
HDTC0402C23N_ST	23	250	28	250	0.300	400	2.72
HDTC0402C24N_ST	24	250	28	250	0.300	400	2.70
HDTC0402C27N_ST	27	250	28	250	0.300	400	2.48
HDTC0402C30N_ST	30	250	24	250	0.300	400	2.35
HDTC0402C33N_ST	33	250	24	250	0.300	400	2.35
HDTC0402C36N_ST	36	250	24	250	0.440	320	2.32
HDTC0402C39N_ST	39	250	26	250	0.550	200	2.10
HDTC0402C40N_ST	40	250	24	250	0.440	320	2.24
HDTC0402C43N_ST	43	250	25	250	0.810	100	2.03
HDTC0402C47N_ST	47	250	25	250	0.830	150	2.10
HDTC0402C51N_ST	51	250	25	250	0.820	100	1.75
HDTC0402C56N_ST	56	250	25	250	0.970	100	1.76
HDTC0402C68N_ST	68	250	24	250	1.120	100	1.62
HDTC0402C82N_ST	82	250	25	250	1.550	50	1.26
HDTC0402CR10_ST	100	250	24	250	2.000	30	1.16
HDTC0402CR12_ST	120	250	24	250	2.200	50	1.10

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Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0402(1005) Size
Electrical Characteristics

HDTC0402H Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402H1N5_ST	1.5	100	10	250	0.03	1000	18.0
HDTC0402H1N6_ST	1.6	100	10	250	0.07	750	17.0
HDTC0402H1N7_ST	1.7	100	10	250	0.10	640	17.0
HDTC0402H1N8_ST	1.8	100	10	250	0.16	460	16.0
HDTC0402H2N4_ST	2.4	100	20	250	0.05	850	15.0
HDTC0402H2N5_ST	2.5	100	20	250	0.05	850	15.0
HDTC0402H2N6_ST	2.6	100	20	250	0.05	850	15.0
HDTC0402H2N7_ST	2.7	100	20	250	0.05	850	15.0
HDTC0402H2N8_ST	2.8	100	20	250	0.05	850	15.0
HDTC0402H2N9_ST	2.9	100	20	250	0.07	750	15.0
HDTC0402H3N0_ST	3.0	100	20	250	0.07	750	15.0
HDTC0402H3N1_ST	3.1	100	20	250	0.13	570	14.0
HDTC0402H3N2_ST	3.2	100	15	250	0.17	500	14.0
HDTC0402H3N9_ST	3.9	100	25	250	0.07	750	10.0
HDTC0402H4N1_ST	4.1	100	25	250	0.07	750	10.0
HDTC0402H4N3_ST	4.3	100	25	250	0.07	750	10.0
HDTC0402H4N4_ST	4.4	100	25	250	0.07	750	8.0
HDTC0402H4N5_ST	4.5	100	25	250	0.07	750	8.0
HDTC0402H4N6_ST	4.6	100	25	250	0.07	750	8.0
HDTC0402H4N7_ST	4.7	100	25	250	0.07	750	8.0
HDTC0402H4N8_ST	4.8	100	25	250	0.07	750	8.0
HDTC0402H4N9_ST	4.9	100	25	250	0.12	600	8.0
HDTC0402H5N0_ST	5.0	100	25	250	0.12	600	8.0
HDTC0402H5N1_ST	5.1	100	25	250	0.12	600	8.0
HDTC0402H5N8_ST	5.8	100	25	250	0.09	700	8.0
HDTC0402H6N2_ST	6.2	100	25	250	0.09	700	8.0
HDTC0402H6N3_ST	6.3	100	25	250	0.09	700	6.0
HDTC0402H6N4_ST	6.4	100	25	250	0.09	700	6.0
HDTC0402H6N5_ST	6.5	100	25	250	0.09	700	6.0
HDTC0402H6N6_ST	6.6	100	25	250	0.09	700	6.0

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Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402H Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402H6N7_ST	6.7	100	25	250	0.09	700	6.0
HDTC0402H6N8_ST	6.8	100	25	250	0.09	700	6.0
HDTC0402H6N9_ST	6.9	100	25	250	0.13	570	6.0
HDTC0402H7N0_ST	7.0	100	25	250	0.13	570	6.0
HDTC0402H7N1_ST	7.1	100	25	250	0.13	570	6.0
HDTC0402H7N2_ST	7.2	100	25	250	0.13	570	6.0
HDTC0402H7N3_ST	7.3	100	25	250	0.13	570	6.0
HDTC0402H7N5_ST	7.5	100	25	250	0.13	570	6.0
HDTC0402H8N2_ST	8.2	100	25	250	0.14	540	5.5
HDTC0402H8N6_ST	8.6	100	25	250	0.14	540	5.5
HDTC0402H8N7_ST	8.7	100	25	250	0.14	540	5.5
HDTC0402H8N8_ST	8.8	100	25	250	0.14	540	5.5
HDTC0402H8N9_ST	8.9	100	25	250	0.14	540	5.5
HDTC0402H9N0_ST	9.0	100	25	250	0.14	540	5.5
HDTC0402H9N1_ST	9.1	100	25	250	0.14	540	5.5
HDTC0402H9N2_ST	9.2	100	25	250	0.14	540	5.5
HDTC0402H9N3_ST	9.3	100	25	250	0.14	540	5.5
HDTC0402H9N4_ST	9.4	100	25	250	0.14	540	5.5
HDTC0402H9N5_ST	9.5	100	25	250	0.14	540	5.5
HDTC0402H9N6_ST	9.6	100	25	250	0.14	540	5.5
HDTC0402H9N7_ST	9.7	100	25	250	0.14	540	5.5
HDTC0402H9N8_ST	9.8	100	25	250	0.14	540	5.5
HDTC0402H9N9_ST	9.9	100	25	250	0.14	540	5.5
HDTC0402H10N_ST	10	100	25	250	0.17	500	5.5
HDTC0402H11N_ST	11	100	30	250	0.14	500	5.5
HDTC0402H12N_ST	12	100	30	250	0.14	500	5.5
HDTC0402H13N_ST	13	100	25	250	0.21	430	5.0
HDTC0402H15N_ST	15	100	30	250	0.16	460	5.0
HDTC0402H16N_ST	16	100	25	250	0.24	370	4.5
HDTC0402H18N_ST	18	100	25	250	0.27	370	4.5

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Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402H Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402H19N_ST	19	100	25	250	0.27	370	4.5
HDTC0402H20N_ST	20	100	25	250	0.27	370	4.0
HDTC0402H22N_ST	22	100	25	250	0.30	310	4.0
HDTC0402H23N_ST	23	100	25	250	0.30	310	3.8
HDTC0402H24N_ST	24	100	25	250	0.52	280	3.5
HDTC0402H27N_ST	27	100	25	250	0.52	280	3.5
HDTC0402H30N_ST	30	100	25	250	0.58	270	3.3
HDTC0402H33N_ST	33	100	25	250	0.63	260	3.2
HDTC0402H36N_ST	36	100	25	250	0.63	260	3.1
HDTC0402H39N_ST	39	100	25	250	0.70	250	3.0
HDTC0402H40N_ST	40	100	25	250	0.70	250	3.0
HDTC0402H43N_ST	43	100	25	250	0.70	250	3.0
HDTC0402H47N_ST	47	100	25	250	1.08	210	2.9
HDTC0402H51N_ST	51	100	25	250	1.08	210	2.85
HDTC0402H56N_ST	56	100	25	250	1.17	200	2.8
HDTC0402H62N_ST	62	100	20	250	1.82	145	2.6
HDTC0402H68N_ST	68	100	20	250	1.96	140	2.5
HDTC0402H72N_ST	72	100	20	250	2.10	135	2.5
HDTC0402H75N_ST	75	100	20	250	2.10	135	2.4
HDTC0402H82N_ST	82	100	20	250	2.24	130	2.3
HDTC0402H91N_ST	91	100	20	250	2.38	125	2.1
HDTC0402HR10_ST	100	100	20	250	2.52	120	1.5
HDTC0402HR12_ST	120	100	20	250	2.66	110	1.0

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Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0402(1005) Size
Electrical Characteristics

HDTC0402P Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402P1N3_ST	1.3	100	20	250	0.012	3150	18.0
HDTC0402P1N5_ST	1.5	100	20	250	0.028	2100	18.0
HDTC0402P1N6_ST	1.6	100	20	250	0.045	1450	18.0
HDTC0402P1N7_ST	1.7	100	20	250	0.065	1150	18.0
HDTC0402P2N2_ST	2.2	100	30	250	0.022	2530	15.5
HDTC0402P2N3_ST	2.3	100	30	250	0.022	2530	15.5
HDTC0402P2N4_ST	2.4	100	30	250	0.022	2530	15.5
HDTC0402P2N5_ST	2.5	100	30	250	0.030	2100	15.5
HDTC0402P2N6_ST	2.6	100	30	250	0.035	1950	14.5
HDTC0402P2N7_ST	2.7	100	28	250	0.047	1500	14.0
HDTC0402P2N8_ST	2.8	100	27	250	0.047	1500	13.5
HDTC0402P2N9_ST	2.9	100	25	250	0.047	1500	12.5
HDTC0402P3N0_ST	3.0	100	20	250	0.063	1350	12.5
HDTC0402P3N3_ST	3.3	100	30	250	0.030	2000	14.0
HDTC0402P3N4_ST	3.4	100	30	250	0.030	1950	10.0
HDTC0402P3N5_ST	3.5	100	30	250	0.030	1950	10.0
HDTC0402P3N6_ST	3.6	100	30	250	0.030	1950	10.0
HDTC0402P3N7_ST	3.7	100	35	250	0.030	1950	10.0
HDTC0402P3N8_ST	3.8	100	35	250	0.030	1950	10.0
HDTC0402P3N9_ST	3.9	100	35	250	0.030	1950	10.0
HDTC0402P4N0_ST	4.0	100	30	250	0.030	1950	10.0
HDTC0402P4N1_ST	4.1	100	30	250	0.044	1800	9.6
HDTC0402P4N2_ST	4.2	100	30	250	0.044	1800	9.6
HDTC0402P4N3_ST	4.3	100	32	250	0.044	1800	9.6
HDTC0402P4N4_ST	4.4	100	34	250	0.052	1600	9.6
HDTC0402P4N5_ST	4.5	100	34	250	0.060	1450	9.6
HDTC0402P4N6_ST	4.6	100	32	250	0.060	1450	9.6
HDTC0402P4N7_ST	4.7	100	31	250	0.071	1200	8.0
HDTC0402P4N8_ST	4.8	100	30	250	0.071	1200	8.0
HDTC0402P4N9_ST	4.9	100	27	250	0.071	1200	8.0

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Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402P Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402P5N0_ST	5.0	100	32	250	0.040	1770	10.0
HDTC0402P5N1_ST	5.1	100	35	250	0.040	1770	8.0
HDTC0402P5N2_ST	5.2	100	35	250	0.040	1770	8.0
HDTC0402P5N3_ST	5.3	100	35	250	0.040	1770	8.0
HDTC0402P5N4_ST	5.4	100	35	250	0.040	1770	8.0
HDTC0402P5N5_ST	5.5	100	35	250	0.040	1770	8.0
HDTC0402P5N6_ST	5.6	100	35	250	0.040	1770	8.0
HDTC0402P5N7_ST	5.7	100	30	250	0.040	1770	8.0
HDTC0402P5N8_ST	5.8	100	30	250	0.040	1770	8.0
HDTC0402P5N9_ST	5.9	100	30	250	0.040	1770	8.0
HDTC0402P6N0_ST	6.0	100	32	250	0.056	1600	8.0
HDTC0402P6N1_ST	6.1	100	32	250	0.056	1600	8.0
HDTC0402P6N2_ST	6.2	100	33	250	0.056	1600	8.0
HDTC0402P6N3_ST	6.3	100	32	250	0.057	1600	7.8
HDTC0402P6N4_ST	6.4	100	33	250	0.065	1380	7.0
HDTC0402P6N5_ST	6.5	100	32	250	0.065	1380	7.0
HDTC0402P6N6_ST	6.6	100	30	250	0.078	1280	7.0
HDTC0402P6N7_ST	6.7	100	30	250	0.078	1280	7.0
HDTC0402P6N8_ST	6.8	100	30	250	0.068	1450	7.0
HDTC0402P6N9_ST	6.9	100	32	250	0.069	1420	8.5
HDTC0402P7N0_ST	7.0	100	33	250	0.069	1420	8.0
HDTC0402P7N1_ST	7.1	100	32	250	0.069	1420	7.0
HDTC0402P7N2_ST	7.2	100	32	250	0.050	1700	7.0
HDTC0402P7N3_ST	7.3	100	32	250	0.050	1700	7.0
HDTC0402P7N4_ST	7.4	100	30	250	0.050	1700	7.0
HDTC0402P7N5_ST	7.5	100	35	250	0.050	1700	7.0
HDTC0402P7N6_ST	7.6	100	30	250	0.050	1700	7.0
HDTC0402P7N7_ST	7.7	100	30	250	0.050	1700	7.0
HDTC0402P7N8_ST	7.8	100	30	250	0.050	1700	7.0
HDTC0402P7N9_ST	7.9	100	30	250	0.050	1700	7.0

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Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402P Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402P8N0_ST	8.0	100	30	250	0.050	1700	7.0
HDTC0402P8N1_ST	8.1	100	32	250	0.069	1500	6.5
HDTC0402P8N2_ST	8.2	100	32	250	0.069	1500	6.5
HDTC0402P8N3_ST	8.3	100	32	250	0.069	1500	6.5
HDTC0402P8N4_ST	8.4	100	32	250	0.069	1500	6.5
HDTC0402P8N5_ST	8.5	100	32	250	0.069	1500	6.5
HDTC0402P8N6_ST	8.6	100	31	250	0.070	1420	6.5
HDTC0402P8N7_ST	8.7	100	31	250	0.070	1420	6.5
HDTC0402P8N8_ST	8.8	100	31	250	0.070	1420	6.5
HDTC0402P8N9_ST	8.9	100	31	250	0.070	1420	6.5
HDTC0402P9N0_ST	9.0	100	30	250	0.070	1500	6.5
HDTC0402P9N1_ST	9.1	100	32	250	0.080	1400	6.5
HDTC0402P9N2_ST	9.2	100	32	250	0.081	1400	6.0
HDTC0402P9N3_ST	9.3	100	34	250	0.081	1400	6.0
HDTC0402P9N4_ST	9.4	100	33	250	0.081	1400	6.0
HDTC0402P9N5_ST	9.5	100	32	250	0.081	1400	6.0
HDTC0402P9N6_ST	9.6	100	33	250	0.081	1400	6.0
HDTC0402P9N7_ST	9.7	100	33	250	0.081	1400	6.0
HDTC0402P9N8_ST	9.8	100	34	250	0.081	1400	6.0
HDTC0402P9N9_ST	9.9	100	32	250	0.081	1400	6.0
HDTC0402P10N_ST	10	100	31	250	0.081	1400	6.0
HDTC0402P12N_ST	12	100	30	250	0.093	1240	5.2
HDTC0402P13N_ST	13	100	30	250	0.093	1240	5.2
HDTC0402P14N_ST	14	100	31	250	0.111	1150	5.2
HDTC0402P15N_ST	15	100	31	250	0.114	1150	5.5
HDTC0402P16N_ST	16	100	31	250	0.126	1000	5.0
HDTC0402P17N_ST	17	100	31	250	0.126	1000	5.0
HDTC0402P18N_ST	18	100	30	250	0.130	1050	5.2
HDTC0402P19N_ST	19	100	30	250	0.156	920	5.0
HDTC0402P20N_ST	20	100	30	250	0.186	800	4.5

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Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402P Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402P21N_ST	21	100	30	250	0.202	780	4.5
HDTC0402P22N_ST	22	100	30	250	0.202	780	4.5
HDTC0402P23N_ST	23	100	29	250	0.201	760	4.5
HDTC0402P24N_ST	24	100	31	250	0.212	770	4.0
HDTC0402P25N_ST	25	100	31	250	0.221	750	4.1
HDTC0402P26N_ST	26	100	29	250	0.282	720	4.1
HDTC0402P27N_ST	27	100	30	250	0.288	680	4.0
HDTC0402P30N_ST	30	100	30	250	0.309	660	3.8
HDTC0402P33N_ST	33	100	30	250	0.336	620	3.6
HDTC0402P36N_ST	36	100	30	250	0.431	540	3.5
HDTC0402P39N_ST	39	100	28	250	0.456	530	3.4
HDTC0402P43N_ST	43	100	30	250	0.516	515	3.4
HDTC0402P47N_ST	47	100	25	250	0.648	440	3.2
HDTC0402P51N_ST	51	100	25	250	0.696	415	2.9
HDTC0402P53N_ST	53	100	25	250	0.696	415	2.9
HDTC0402P56N_ST	56	100	25	250	0.996	340	2.9
HDTC0402P68N_ST	68	100	25	250	1.128	320	2.5
HDTC0402P75N_ST	75	100	25	250	1.224	320	2.4

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Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0402(1005) Size
Electrical Characteristics
HDTC0402HP Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402HP1N0_ST	1.0	250	20	250	0.030	2300	16.0
HDTC0402HP2N0_ST	2.0	250	24	250	0.038	2100	15.2
HDTC0402HP2N2_ST	2.2	250	25	250	0.038	2100	15.1
HDTC0402HP2N4_ST	2.4	250	23	250	0.042	2000	14.0
HDTC0402HP2N7_ST	2.7	250	24	250	0.085	1500	13.0
HDTC0402HP3N3_ST	3.3	250	28	250	0.045	1700	12.8
HDTC0402HP3N6_ST	3.6	250	28	250	0.045	1700	11.7
HDTC0402HP3N9_ST	3.9	250	28	250	0.045	1700	9.50
HDTC0402HP4N3_ST	4.3	250	27	250	0.050	1600	7.15
HDTC0402HP4N7_ST	4.7	250	23	250	0.075	1500	6.85
HDTC0402HP5N1_ST	5.1	250	20	250	0.125	1200	6.80
HDTC0402HP5N6_ST	5.6	250	29	250	0.055	1600	6.50
HDTC0402HP6N2_ST	6.2	250	29	250	0.055	1600	5.80
HDTC0402HP6N8_ST	6.8	250	28	250	0.070	1500	5.80
HDTC0402HP7N5_ST	7.5	250	26	250	0.100	1400	5.40
HDTC0402HP8N2_ST	8.2	250	28	250	0.065	1500	5.40
HDTC0402HP8N7_ST	8.7	250	29	250	0.070	1500	5.00
HDTC0402HP9N0_ST	9.0	250	27	250	0.080	1400	5.00
HDTC0402HP9N5_ST	9.5	250	28	250	0.090	1400	4.70
HDTC0402HP10N_ST	10	250	26	250	0.110	1300	4.70
HDTC0402HP11N_ST	11	250	29	250	0.065	1400	4.70
HDTC0402HP12N_ST	12	250	28	250	0.100	1200	4.40
HDTC0402HP13N_ST	13	250	27	250	0.155	870	4.20
HDTC0402HP15N_ST	15	250	28	250	0.115	1100	3.90
HDTC0402HP16N_ST	16	250	27	250	0.150	850	3.70
HDTC0402HP17N_ST	17	250	26	250	0.230	650	3.70
HDTC0402HP18N_ST	18	250	26	250	0.120	900	3.55
HDTC0402HP19N_ST	19	250	26	250	0.145	850	3.50
HDTC0402HP20N_ST	20	250	27	250	0.185	780	3.50
HDTC0402HP21N_ST	21	250	25	250	0.460	450	1.70

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Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402HP Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402HP22N_ST	22	250	28	250	0.160	800	3.30
HDTC0402HP23N_ST	23	250	28	250	0.160	800	3.30
HDTC0402HP24N_ST	24	250	27	250	0.210	700	3.15
HDTC0402HP25N_ST	25	250	26	250	0.260	700	3.15
HDTC0402HP26N_ST	26	250	27	250	0.290	700	3.15
HDTC0402HP27N_ST	27	250	27	250	0.350	450	3.20
HDTC0402HP30N_ST	30	250	25	250	0.350	450	2.90
HDTC0402HP33N_ST	33	250	28	250	0.330	490	2.80
HDTC0402HP36N_ST	36	250	26	250	0.390	480	2.80
HDTC0402HP37N_ST	37	250	26	250	0.480	470	2.70
HDTC0402HP39N_ST	39	250	28	250	0.430	450	2.60
HDTC0402HP40N_ST	40	250	28	250	0.430	450	2.60
HDTC0402HP43N_ST	43	250	26	250	0.520	450	2.50
HDTC0402HP47N_ST	47	250	28	250	0.580	420	2.40
HDTC0402HP51N_ST	51	250	26	250	0.700	360	2.30
HDTC0402HP56N_ST	56	250	31	250	0.900	330	2.07
HDTC0402HP68N_ST	68	250	31	250	1.00	320	1.84
HDTC0402HP82N_ST	82	250	31	250	1.10	315	1.75
HDTC0402HPR10_ST	100	250	30	250	1.20	310	1.58
HDTC0402HPR12_ST	120	250	29	250	1.20	310	1.25
HDTC0402HPR15_ST	150	100	29	250	2.0	240	1.14
HDTC0402HPR16_ST	160	100	29	250	2.0	240	1.65
HDTC0402HPR18_ST	180	100	32	250	2.1	240	1.08
HDTC0402HPR22_ST	220	100	32	250	3.1	160	0.96

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Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0603(1608) Size

Electrical Characteristics

HDTC0603C Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0603C1N6_ST	1.6	250	24	250	0.030	700	12.50
HDTC0603C1N8_ST	1.8	250	16	250	0.045	700	12.50
HDTC0603C2N2_ST	2.2	250	13	250	0.250	100	12.50
HDTC0603C3N3_ST	3.3	250	35	250	0.045	700	5.90
HDTC0603C3N6_ST	3.6	250	22	250	0.063	700	5.90
HDTC0603C3N9_ST	3.9	250	22	250	0.080	700	6.90
HDTC0603C4N3_ST	4.3	250	22	250	0.063	700	5.90
HDTC0603C4N7_ST	4.7	250	20	250	0.116	700	5.80
HDTC0603C5N1_ST	5.1	250	20	250	0.140	700	5.70
HDTC0603C5N6_ST	5.6	250	26	250	0.075	700	4.76
HDTC0603C6N8_ST	6.8	250	27	250	0.110	700	5.80
HDTC0603C7N5_ST	7.5	250	28	250	0.106	700	4.80
HDTC0603C8N2_ST	8.2	250	30	250	0.115	700	4.20
HDTC0603C8N7_ST	8.7	250	28	250	0.109	700	4.60
HDTC0603C9N5_ST	9.5	250	28	250	0.135	700	5.40
HDTC0603C10N_ST	10	250	31	250	0.130	700	4.80
HDTC0603C11N_ST	11	250	30	250	0.130	700	4.00
HDTC0603C12N_ST	12	250	35	250	0.130	700	4.00
HDTC0603C15N_ST	15	250	35	250	0.170	700	4.00
HDTC0603C16N_ST	16	250	34	250	0.170	700	3.30
HDTC0603C18N_ST	18	250	35	250	0.170	700	3.10
HDTC0603C22N_ST	22	250	38	250	0.190	700	3.00
HDTC0603C23N_ST	23	250	38	250	0.190	700	2.85
HDTC0603C24N_ST	24	250	36	250	0.190	700	2.65
HDTC0603C27N_ST	27	250	40	250	0.220	600	2.80
HDTC0603C30N_ST	30	250	37	250	0.220	600	2.25
HDTC0603C33N_ST	33	250	40	250	0.220	600	2.30
HDTC0603C36N_ST	36	250	37	250	0.250	600	2.08
HDTC0603C39N_ST	39	250	40	250	0.250	600	2.20
HDTC0603C43N_ST	43	250	38	250	0.280	600	2.00
HDTC0603C47N_ST	47	200	38	200	0.280	600	2.00

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Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0603(1608) Size

Electrical Characteristics

HDTC0603C Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0603C51N_ST	51	200	35	200	0.270	600	1.90
HDTC0603C56N_ST	56	200	38	200	0.310	600	1.90
HDTC0603C68N_ST	68	200	37	200	0.340	600	1.70
HDTC0603C72N_ST	72	150	34	150	0.490	400	1.70
HDTC0603C82N_ST	82	150	34	150	0.540	400	1.70
HDTC0603CR10_ST	100	150	34	150	0.580	400	1.40
HDTC0603CR12_ST	120	150	32	150	0.650	300	1.30
HDTC0603CR15_ST	150	150	28	150	0.920	280	0.99
HDTC0603CR18_ST	180	100	25	100	1.250	240	0.99
HDTC0603CR20_ST	200	100	25	100	1.980	200	0.90
HDTC0603CR22_ST	220	100	25	100	2.100	200	0.90
HDTC0603CR25_ST	250	100	25	100	3.550	120	0.822
HDTC0603CR27_ST	270	100	26	100	2.160	170	0.83
HDTC0603CR33_ST	330	100	25	100	3.890	100	0.90
HDTC0603CR39_ST	390	100	25	100	4.350	100	0.78

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Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0805(2012) Size

Electrical Characteristics

HDTC0805CW Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC(Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0805CW3R3_ST	3.3	250	50	1500	0.08	600	7900
HDTC0805CW5R6_ST	5.6	250	65	1000	0.08	600	5500
HDTC0805CW6R8_ST	6.8	250	50	1000	0.11	600	5500
HDTC0805CW8R2_ST	8.2	250	50	1000	0.12	600	4700
HDTC0805CW100_ST	10	250	60	500	0.10	600	4200
HDTC0805CW120_ST	12	250	50	500	0.15	600	4000
HDTC0805CW150_ST	15	250	50	500	0.17	600	3400
HDTC0805CW180_ST	18	250	50	500	0.20	600	3300
HDTC0805CW220_ST	22	250	55	500	0.22	600	2600
HDTC0805CW270_ST	27	250	55	500	0.25	500	2500
HDTC0805CW330_ST	33	250	60	500	0.27	500	2050
HDTC0805CW390_ST	39	250	60	500	0.29	500	2000
HDTC0805CW470_ST	47	200	60	500	0.31	500	1650
HDTC0805CW560_ST	56	200	60	500	0.34	500	1550
HDTC0805CW680_ST	68	200	60	500	0.38	500	1450
HDTC0805CW820_ST	82	150	65	500	0.42	400	1300
HDTC0805CW121_ST	120	150	50	250	0.51	400	1100
HDTC0805CW151_ST	150	100	50	250	0.56	400	920
HDTC0805CW181_ST	180	100	50	250	0.64	400	870
HDTC0805CW221_ST	220	100	50	250	0.70	400	850
HDTC0805CW271_ST	270	100	48	250	1.00	350	650
HDTC0805CW331_ST	330	100	48	250	1.4	310	600
HDTC0805CW391_ST	390	100	48	250	1.5	290	560
HDTC0805CW471_ST	470	50	33	100	1.76	250	380
HDTC0805CW561_ST	560	25	23	50	1.90	230	340
HDTC0805CW681_ST	680	25	23	50	2.20	190	188
HDTC0805CW821_ST	820	25	23	50	2.35	180	215
HDTC0805CW102_ST	1000	25	20	50	2.5	170	220