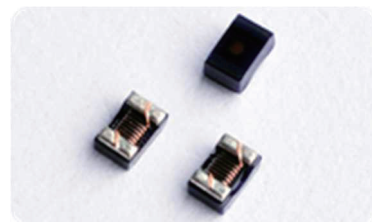




Chip Inductor _ Precision Winding (High Q) Type

HTF Ferrite High Q Series

0402/0603/0805/1008/1210 Size

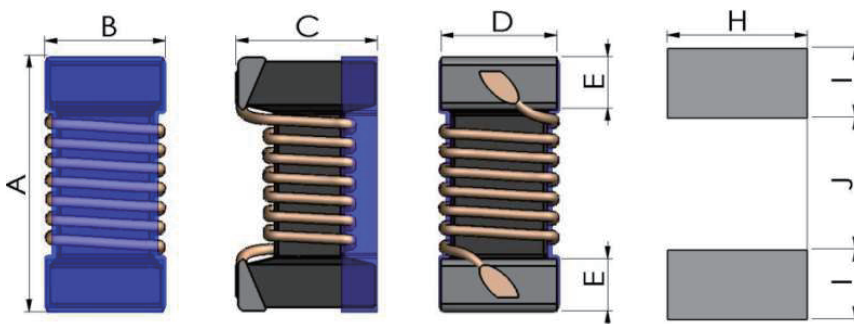


Ordering Information

HTF 0805 W 100 K S T -LF
 (1) (2) (3) (4) (5) (6) (7) (8)

- (1) Series Name
- (2) Product Dimension (L*W Inch)
- (3) Structure
- (4) Inductance Value (1R0: 1.0uH / 100: 10uH / 101: 100uH)
- (5) Inductance Tolerance (J: ± 5% / K: ± 10%)
- (6) Termination Materials (S: Sn)
- (7) Packing Style (T: Taping / B: Bulk)
- (8) Lead Free

Shape & Dimensions



Series	Dimensions (mm)							
	A	B	C	D	E	H	I	J
HTF0402H/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.
HTF0603W	1.80 Max.	1.12 Max.	0.91 Max.	0.80 Typ.	0.3± 0.1	1.02 Typ.	0.64 Typ.	0.64 Typ.
HTF0805W	2.29 Max.	1.73 Max.	1.52 Max.	1.30 Typ.	0.45 Typ.	1.78 Typ.	1.02 Typ.	0.76 Typ.
HTF1008W	2.92 Max.	2.79 Max.	2.03 Max.	2.2 Typ.	0.52 Typ.	2.54 Typ.	1.02 Typ.	1.27 Typ.
HTF1210W	3.65 Max.	2.95 Max.	2.70 Max.	2.4 Typ.	0.6 Typ.	3.02 Typ.	1.02 Typ.	1.78 Typ.



HTF High Q Series _ 0402 Size

Electrical Characteristics

HTF0402H Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (MHz) Min.
HTF0402H20N_ST-LF	20	7.9	0.050	1600	2600
HTF0402H22N_ST-LF	22	7.9	0.065	1300	2500
HTF0402H33N_ST-LF	33	7.9	0.060	1400	2300
HTF0402H36N_ST-LF	36	7.9	0.075	1300	2300
HTF0402H39N_ST-LF	39	7.9	0.115	830	2200
HTF0402H51N_ST-LF	51	7.9	0.070	1100	1930
HTF0402H56N_ST-LF	56	7.9	0.095	1000	1900
HTF0402H72N_ST-LF	72	7.9	0.100	1000	1650H
HTF0402H78N_ST-LF	78	7.9	0.130	970	1600
HTF0402HR10_ST-LF	100	7.9	0.160	900	1400
HTF0402HR14_ST-LF	140	7.9	0.260	630	1220
HTF0402HR18_ST-LF	180	7.9	0.280	560	1150
HTF0402HR20_ST-LF	200	7.9	0.440	400	1000
HTF0402HR22_ST-LF	220	7.9	0.530	380	1150
HTF0402HR25_ST-LF	250	7.9	0.360	520	900
HTF0402HR27_ST-LF	270	7.9	0.550	360	860
HTF0402HR30_ST-LF	300	7.9	0.410	420	860
HTF0402HR33_ST-LF	330	7.9	0.560	350	820
HTF0402HR36_ST-LF	360	7.9	0.575	360	810
HTF0402HR39_ST-LF	390	7.9	0.750	300	760
HTF0402HR42_ST-LF	420	7.9	0.700	340	700
HTF0402HR47_ST-LF	470	7.9	0.730	310	650
HTF0402HR56_ST-LF	560	7.9	0.920	200	600



HTF High Q Series _ 0402 Size

Electrical Characteristics

HTF0402P Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	RDC (Ω) Max.	I _r (mA) Max.	SRF (MHz) Min.
HTF0402P20N_ST-LF	20	100	0.028	2200	3000
HTF0402P33N_ST-LF	33	100	0.065	1300	1800
HTF0402P34N_ST-LF	34	100	0.036	1800	2500
HTF0402P48N_ST-LF	48	100	0.078	1100	1400
HTF0402P53N_ST-LF	53	100	0.060	1300	2000
HTF0402P68N_ST-LF	68	100	0.120	820	1300
HTF0402P70N_ST-LF	70	100	0.120	820	1300
HTF0402P77N_ST-LF	77	100	0.090	1100	2000
HTF0402P96N_ST-LF	96	100	0.160	730	1100
HTF0402PR11_ST-LF	110	100	0.144	850	1500
HTF0402PR14_ST-LF	140	100	0.216	650	1000
HTF0402PR18_ST-LF	180	100	0.312	560	1000
HTF0402PR22_ST-LF	220	100	0.470	450	1400
HTF0402PR27_ST-LF	270	100	0.520	420	830
HTF0402PR33_ST-LF	330	100	0.560	390	520
HTF0402PR39_ST-LF	390	100	0.620	370	450
HTF0402PR42_ST-LF	420	10	0.620	370	400
HTF0402PR47_ST-LF	470	10	0.660	350	380
HTF0402PR56_ST-LF	560	10	0.710	300	300
HTF0402PR68_ST-LF	680	1	0.780	290	290
HTF0402PR82_ST-LF	820	1	0.840	275	200
HTF0402P1R0_ST-LF	1000	1	0.940	270	120
HTF0402P1R5_ST-LF	1500	1	1.500	190	120
HTF0402P2R2_ST-LF	2200	1	1.800	170	100
HTF0402P3R3_ST-LF	3300	1	3.650	130	80



HTF High Q Series _ 0603 Size

Electrical Characteristics

HTF0603W Size

HONGDA Part No.	Inductance (uH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (MHz) Min.
HTF0603W50N_ST-LF	0.05	7.9	12	7.9	0.10	1500	1700
HTF0603WR10_ST-LF	0.10	7.9	12	7.9	0.13	1000	1150
HTF0603WR15_ST-LF	0.15	7.9	12	7.9	0.15	1000	950
HTF0603WR18_ST-LF	0.18	7.9	12	7.9	0.20	1000	950
HTF0603WR22_ST-LF	0.22	7.9	12	7.9	0.30	700	775
HTF0603WR27_ST-LF	0.27	7.9	12	7.9	0.30	700	775
HTF0603WR33_ST-LF	0.33	7.9	12	7.9	0.32	600	725
HTF0603WR39_ST-LF	0.39	7.9	12	7.9	0.51	500	620
HTF0603WR47_ST-LF	0.47	7.9	12	7.9	0.43	570	600
HTF0603WR56_ST-LF	0.56	7.9	12	7.9	0.65	400	600
HTF0603WR68_ST-LF	0.68	7.9	12	7.9	1.00	380	500
HTF0603WR82_ST-LF	0.82	7.9	12	7.9	1.30	350	500
HTF0603W1R0_ST-LF	1.00	7.9	12	7.9	1.50	330	400
HTF0603W1R2_ST-LF	1.20	7.9	12	7.9	1.70	320	380
HTF0603W1R5_ST-LF	1.50	7.9	12	7.9	1.90	310	300
HTF0603W1R8_ST-LF	1.80	7.9	12	7.9	2.20	300	180
HTF0603W2R0_ST-LF	2.00	7.9	12	7.9	2.30	280	180
HTF0603W2R2_ST-LF	2.20	7.9	12	7.9	2.30	280	180
HTF0603W2R7_ST-LF	2.70	7.9	12	7.9	2.60	250	150
HTF0603W3R3_ST-LF	3.30	7.9	12	7.9	2.90	230	150
HTF0603W3R9_ST-LF	3.90	7.9	12	7.9	3.20	210	120
HTF0603W4R7_ST-LF	4.70	7.9	12	7.9	4.00	200	100
HTF0603W5R1_ST-LF	5.10	7.9	12	7.9	2.60	240	32
HTF0603W5R6_ST-LF	5.60	7.9	12	7.9	2.60	240	32
HTF0603W6R8_ST-LF	6.80	7.9	12	7.9	3.90	200	31
HTF0603W8R2_ST-LF	8.20	7.9	12	7.9	4.20	190	26
HTF0603W100_ST-LF	10	2.5	10	2.5	4.80	180	25
HTF0603W120_ST-LF	12	2.5	10	2.5	6.30	170	25
HTF0603W150_ST-LF	15	2.5	10	2.5	8.50	170	23
HTF0603W180_ST-LF	18	2.5	10	2.5	10.00	160	22
HTF0603W220_ST-LF	22	2.5	10	2.5	12.00	100	10



HTF High Q Series _ 0805 Size

Electrical Characteristics

HTF0805W Size

HONGDA Part No.	Inductance (μ H)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	I _r (mA) Max.	SRF (MHz) Min.
HTF0805WR12_ST-LF	0.12	7.9	19	7.9	0.27	750	340
HTF0805WR15_ST-LF	0.15	7.9	19	7.9	0.30	720	480
HTF0805WR18_ST-LF	0.18	7.9	19	7.9	0.40	720	480
HTF0805WR22_ST-LF	0.22	7.9	19	7.9	0.40	720	480
HTF0805WR39_ST-LF	0.39	7.9	19	7.9	0.31	720	500
HTF0805WR47_ST-LF	0.47	7.9	19	7.9	0.31	720	500
HTF0805WR56_ST-LF	0.56	7.9	12	7.9	0.46	400	400
HTF0805WR68_ST-LF	0.68	7.9	12	7.9	0.46	590	400
HTF0805WR81_ST-LF	0.81	7.9	12	7.9	1.00	520	360
HTF0805WR88_ST-LF	0.88	7.9	12	7.9	1.00	520	360
HTF0805WR91_ST-LF	0.91	7.9	12	7.9	1.00	430	360
HTF0805W1R0_ST-LF	1.0	7.9	12	7.9	1.00	430	360
HTF0805W1R2_ST-LF	1.2	7.9	12	7.9	1.15	410	350
HTF0805W1R5_ST-LF	1.5	7.9	12	7.9	1.20	400	300
HTF0805W1R8_ST-LF	1.8	7.9	12	7.9	1.35	380	300
HTF0805W2R2_ST-LF	2.2	7.9	12	7.9	1.50	350	170
HTF0805W2R7_ST-LF	2.7	7.9	12	7.9	1.70	320	100
HTF0805W3R3_ST-LF	3.3	7.9	12	7.9	1.80	300	90
HTF0805W3R9_ST-LF	3.9	7.9	12	7.9	1.95	280	90
HTF0805W4R7_ST-LF	4.7	7.9	12	7.9	2.05	250	85
HTF0805W5R6_ST-LF	5.6	7.9	12	7.9	2.30	240	70
HTF0805W6R8_ST-LF	6.8	7.9	12	7.9	2.60	220	55
HTF0805W8R2_ST-LF	8.2	7.9	12	7.9	3.00	180	50
HTF0805W100_ST-LF	10	2.5	10	2.5	2.55	150	40
HTF0805W120_ST-LF	12	2.5	10	2.5	3.50	100	16
HTF0805W150_ST-LF	15	2.5	10	2.5	4.20	100	16
HTF0805W180_ST-LF	18	2.5	10	2.5	4.50	95	15
HTF0805W220_ST-LF	22	2.5	10	2.5	6.00	80	14
HTF0805W270_ST-LF	27	2.5	10	2.5	10.7	60	17
HTF0805W330_ST-LF	33	2.5	10	2.5	10.7	60	17



HTF High Q Series _ 0805 Size

Electrical Characteristics

HTF0805W Size

HONGDA Part No.	Inductance (uH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (MHz) Min.
HTF0805W390_ST-LF	39	2.5	10	2.5	10.0	60	14
HTF0805W470_ST-LF	47	2.5	10	2.5	13.8	55	14
HTF0805W680_ST-LF	68	2.5	8	2.5	17.5	40	11
HTF0805W101_ST-LF	100	1	8	1	25.0	30	5
HTF0805W101_ST-LF	110	1	8	1	26.0	20	5



HTF High Q Series _ 1008 Size

Electrical Characteristics

HTF1008W Size

HONGDA Part No.	Inductance (uH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (MHz) Min.
HTF1008W1R0_ST-LF	1.0	7.9	18	7.9	0.62	700	230
HTF1008W1R2_ST-LF	1.2	7.9	18	7.9	0.68	650	210
HTF1008W1R5_ST-LF	1.5	7.9	18	7.9	0.76	630	190
HTF1008W1R8_ST-LF	1.8	7.9	18	7.9	0.84	600	170
HTF1008W2R2_ST-LF	2.2	7.9	18	7.9	1.10	520	150
HTF1008W2R7_ST-LF	2.7	7.9	18	7.9	1.28	490	135
HTF1008W3R3_ST-LF	3.3	7.9	18	7.9	1.46	450	120
HTF1008W3R9_ST-LF	3.9	7.9	18	7.9	1.56	420	105
HTF1008W4R7_ST-LF	4.7	7.9	18	7.9	1.68	400	90
HTF1008W5R6_ST-LF	5.6	7.9	15	7.9	1.82	380	80
HTF1008W6R8_ST-LF	6.8	7.9	15	7.9	2.00	360	70
HTF1008W8R2_ST-LF	8.2	7.9	15	7.9	2.65	330	65
HTF1008W100_ST-LF	10	2.5	12	2.5	2.95	300	60
HTF1008W120_ST-LF	12	2.5	12	2.5	3.30	290	38
HTF1008W150_ST-LF	15	2.5	12	2.5	3.70	280	30
HTF1008W180_ST-LF	18	2.5	12	2.5	4.00	160	26
HTF1008W220_ST-LF	22	2.5	12	2.5	6.14	270	22
HTF1008W270_ST-LF	27	2.5	12	2.5	6.45	210	12
HTF1008W330_ST-LF	33	2.5	12	2.5	7.00	200	12
HTF1008W360_ST-LF	36	2.5	12	2.5	8.50	180	19
HTF1008W390_ST-LF	39	2.5	12	2.5	10.0	170	16
HTF1008W470_ST-LF	47	2.5	12	2.5	10.7	160	12
HTF1008W560_ST-LF	56	2.5	12	2.5	12.0	170	8
HTF1008W680_ST-LF	68	2.5	12	2.5	13.5	145	5.7
HTF1008W101_ST-LF	100	2.5	12	2.5	20.5	120	4.5



HTF High Q Series _ 1210 Size

Electrical Characteristics

HTF1210W Size

HONGDA Part No.	Inductance (μ H)	L Test Freq. (MHz)	Q		RDC (Ω) Max.	I _r (mA) Max.	SRF (MHz) Min.
			Min.	Test Freq. (MHz)			
HTF1210WR56_ST-LF	0.56	25	20	25	0.55	450	180
HTF1210W1R2_ST-LF	1.2	7.9	30	7.9	0.75	390	100
HTF1210W1R5_ST-LF	1.5	7.9	20	7.9	0.40	450	200
HTF1210W1R8_ST-LF	1.8	7.9	20	7.9	0.80	450	195
HTF1210W2R2_ST-LF	2.2	7.9	30	7.9	0.80	450	175
HTF1210W3R3_ST-LF	3.3	7.9	20	7.9	1.20	400	150
HTF1210W4R7_ST-LF	4.7	7.9	18	7.9	1.30	350	60
HTF1210W5R6_ST-LF	5.6	2.5	18	2.5	2.00	320	50
HTF1210W100_ST-LF	10	2.5	15	2.5	1.00	300	30
HTF1210W150_ST-LF	15	2.5	15	2.5	2.00	225	22
HTF1210W180_ST-LF	18	2.5	15	2.5	2.05	215	22
HTF1210W220_ST-LF	22	2.5	15	2.5	2.40	210	20
HTF1210W250_ST-LF	25	2.5	15	2.5	4.80	150	25
HTF1210W270_ST-LF	27	2.5	15	2.5	2.90	160	15
HTF1210W330_ST-LF	33	2.5	15	2.5	2.90	160	15
HTF1210W470_ST-LF	47	2.5	15	2.5	5.20	140	10
HTF1210W560_ST-LF	56	2.5	8	2.5	5.60	125	8
HTF1210W680_ST-LF	68	1	6	1	13.00	100	10
HTF1210W820_ST-LF	82	1	6	1	13.00	100	10
HTF1210W101_ST-LF	100	1	6	1	13.00	100	10
HTF1210W121_ST-LF	120	1	6	1	13.00	100	10
HTF1210W151_ST-LF	150	1	10	1	20.00	80	4
HTF1210W181_ST-LF	180	1	8	1	14.50	70	3
HTF1210W201_ST-LF	200	1	8	1	30.00	65	2.6
HTF1210W221_ST-LF	220	1	8	1	30.00	65	2.6
HTF1210W271_ST-LF	270	1	8	1	33.00	60	2.3
HTF1210W331_ST-LF	330	1	8	1	35.00	55	2.3
HTF1210W471_ST-LF	470	1	8	1	42.00	40	2
HTF1210W561_ST-LF	560	2.5	8	2.5	60.00	10	3
HTF1210W621_ST-LF	620	1	8	1	85.00	10	2
HTF1210W681_ST-LF	680	1	6	1	90.00	10	2