

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HTF SERIES

1. FEATURES:

- (1) Flat wire winding achieve a low DC resistance.
- (2) Magnetic shielded structure: excellent resistance to electro magnetic interference(EMI).
- (3) Soft saturation makes them ideal for VDR/VRM applications.

2. APPLICATIONS:

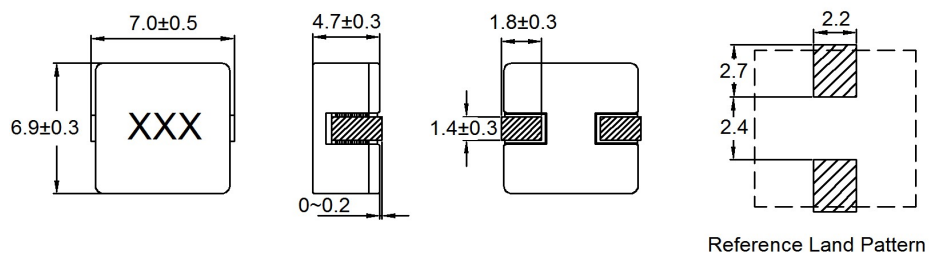
- (1) Graphic cards/ industrial computers.
- (2) DC/DC converters / Motherboards/ Filter.
- (3) High current switching regulators/ Polyphase-switching regulators.

3. PART NUMBER SYSTEM:

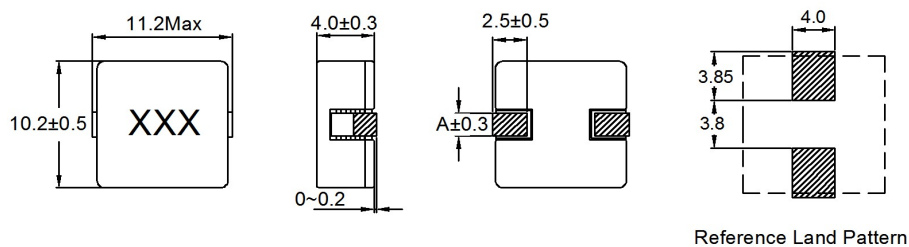
HTF	0650	1R0	M
series	dimension	inductance value	tolerance

4. PHYSICAL CHARACTERISTICS :

HTF0650 SERIES



HTF1040 SERIES

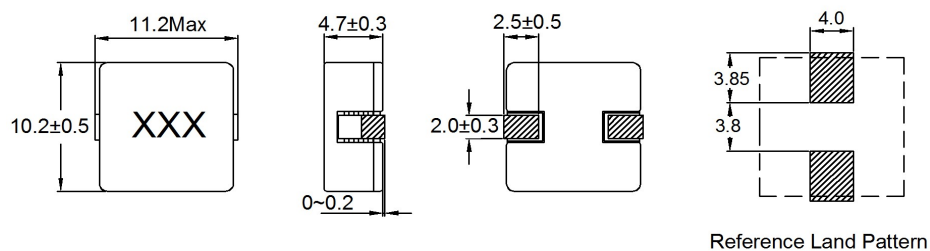


Part Number	R18-R66	1R0-6R8
Dimension	2.5	2.0

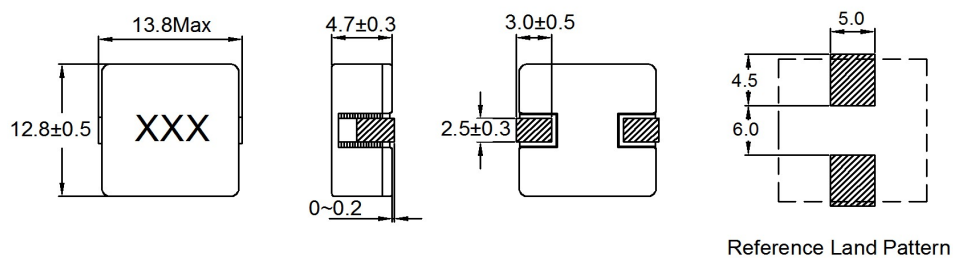
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HTF SERIES

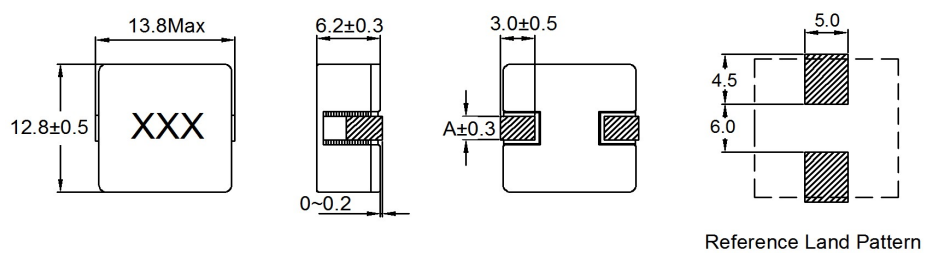
HTF1050 SERIES



HTF1250 SERIES

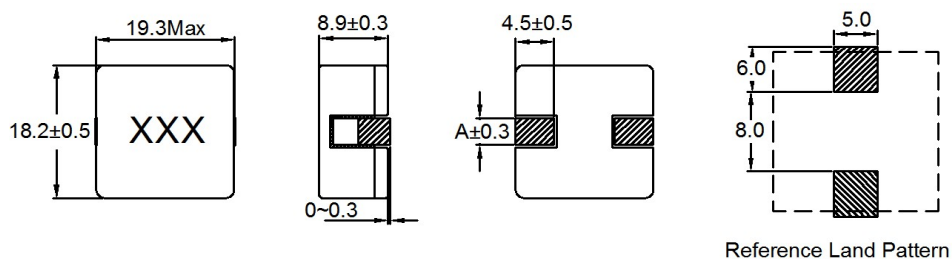


HTF1265 SERIES



Part Number	R22-330	390-470
Dimension	2.5	2.0

HTF1810 SERIES

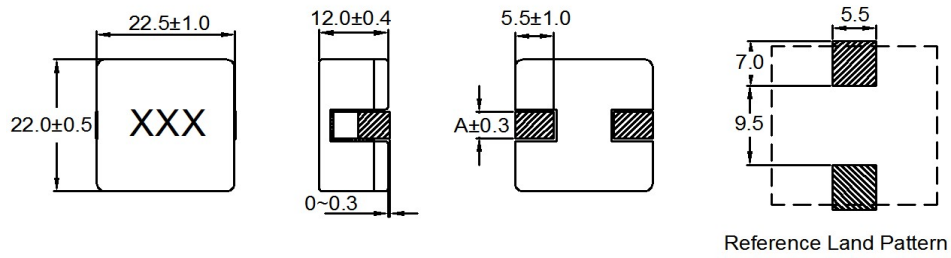


Part Number	R82-150	220-560
Dimension	4.0	3.2

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HTF2212 SERIES



Part Number	3R3-330	330-560	680-101
Dimension	4	3.5	3.2

5. ELECTRICAL CHARACTERISTICS:

HTF0650 SERIES

Part Number	L0(uH) @(0A)100KHz/0.1 V	DCR(Ω)		Isat(A) Saturation Current	Irms(A) Heat Rating Current
		Tpy.	Max.	Max.	Max.
HTF0650-R25M	0.25±20%	0.88	1.00	60.0	21.0
HTF0650-R47M	0.47±20%	1.36	1.56	39.0	18.0
HTF0650-1R0M	1.0±20%	3.55	4.10	27.0	15.0
HTF0650-1R5M	1.5±20%	4.10	4.75	22.5	13.5
HTF0650-2R0M	2.0±20%	5.57	6.40	19.5	11.8
HTF0650-2R7M	2.7±20%	7.10	8.20	16.5	10.3
HTF0650-3R3M	3.3±20%	8.50	9.80	15.3	9.0
HTF0650-3R9M	3.9±20%	12.30	14.20	14.0	8.0
HTF0650-4R7M	4.7±20%	14.80	17.00	12.7	6.5
HTF0650-5R6M	5.6±20%	19.20	22.10	11.4	6.2
HTF0650-6R8M	6.8±20%	20.50	23.60	10.3	6.0
HTF0650-7R6M	7.6±20%	20.50	23.60	8.3	6.0
HTF0650-8R8M	8.8±20%	21.60	24.90	7.9	4.8
HTF0650-100M	10±20%	26.50	30.50	7.4	4.4
HTF0650-130M	13±20%	38.60	44.40	6.5	3.1

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HTF1040 SERIES

Part Number	L0(uH) @(0A)100KHz/0.1 V	DCR(Ω)		Isat(A) Saturation Current	Irms(A) Heat Rating Current
		Tpy.	Max.	Max.	Max.
HTF1040-R18M	0.18±20%	0.61	0.70	80.0	30.0
HTF1040-R38M	0.38±20%	1.11	1.28	65.0	22.0
HTF1040-R66M	0.66±20%	1.84	2.20	50.0	18.0
HTF1040-1R0M	1.0±20%	3.01	3.50	41.0	16.0
HTF1040-1R5M	1.5±20%	4.64	5.50	33.0	14.0
HTF1040-2R2M	2.2±20%	6.90	7.90	28.0	11.0
HTF1040-2R7M	2.7±20%	6.90	7.90	22.0	11.0
HTF1040-3R5M	3.5±20%	8.65	10.00	19.0	9.5
HTF1040-4R5M	4.5±20%	11.30	13.00	16.0	8.0
HTF1040-5R6M	5.6±20%	13.70	15.80	14.5	7.2
HTF1040-6R8M	6.8±20%	20.50	23.60	13.0	5.6

HTF1050 SERIES

Part Number	L0(uH) @(0A)100KHz/0.1 V	DCR(Ω)		Isat(A) Saturation Current	Irms(A) Heat Rating Current
		Tpy.	Max.	Max.	Max.
HTF1050-R18M	0.18±20%	0.45	0.55	80.0	32.0
HTF1050-R39M	0.39±20%	0.67	0.77	55.0	24.0
HTF1050-R82M	0.82±20%	1.26	1.50	36.0	23.0
HTF1050-1R2M	1.2±20%	2.05	2.35	32.0	19.0
HTF1050-1R8M	1.8±20%	2.98	3.45	27.0	17.0
HTF1050-2R5M	2.5±20%	4.06	4.70	23.0	15.0
HTF1050-3R3M	3.3±20%	5.37	6.50	19.0	13.0
HTF1050-4R2M	4.2±20%	7.11	8.50	17.0	11.0
HTF1050-5R6M	5.6±20%	8.62	9.90	14.0	10.3
HTF1050-6R8M	6.8±20%	10.50	12.10	12.5	9.0
HTF1050-8R2M	8.2±20%	13.10	15.10	11.5	8.1
HTF1050-100M	10±20%	16.40	18.90	10.2	7.1
HTF1050-150M	15±20%	25.90	29.80	8.7	5.5
HTF1050-180M	18±20%	34.70	39.90	8.3	5.0

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HTF SERIES

HTF1250 SERIES

Part Number	L0(μ H) @ (0A) 100KHz/0.1V	DCR(Ω)		Isat(A) Saturation Current	Irms(A) Heat Rating Current
		Tpy.	Max.	Max.	Max.
HTF1250-R19M	0.19 $\pm$ 20%	0.48	0.55	100.0	32.0
HTF1250-R45M	0.45 $\pm$ 20%	0.90	1.05	72.0	26.0
HTF1250-R82M	0.82 $\pm$ 20%	1.60	1.85	55.0	24.0
HTF1250-1R0M	1.0 $\pm$ 20%	1.43	1.65	51.0	25.0
HTF1250-1R6M	1.6 $\pm$ 20%	2.30	2.65	43.0	22.0
HTF1250-2R2M	2.2 $\pm$ 20%	3.37	3.88	35.0	18.0
HTF1250-3R3M	3.3 $\pm$ 20%	4.64	5.35	30.0	16.5
HTF1250-4R5M	4.5 $\pm$ 20%	6.46	7.50	26.0	14.0
HTF1250-5R6M	5.6 $\pm$ 20%	8.00	9.20	23.0	12.0
HTF1250-6R8M	6.8 $\pm$ 20%	10.30	11.80	20.5	10.3
HTF1250-8R2M	8.2 $\pm$ 20%	10.30	11.80	17.5	10.3
HTF1250-100M	10 $\pm$ 20%	13.50	15.50	16.0	8.8

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HTF SERIES

HTF1265 SERIES

Part Number	L0(μH) @ (0A)100KHz/0.1V	DCR(Ω)		Isat(A) Saturation Current	Irms(A) Heat Rating Current
		Tpy.	Max.	Max.	Max.
HTF1265-R20M	0.20±20%	0.32	0.37	100	36.0
HTF1265-R47M	0.47±20%	0.65	0.75	90.0	32.0
HTF1265-R85M	0.85±20%	0.90	1.05	63.0	26.0
HTF1265-1R3M	1.3±20%	1.69	1.95	50.0	25.0
HTF1265-2R0M	2.0±20%	2.25	2.60	41.0	23.0
HTF1265-2R7M	2.7±20%	3.25	3.75	35.0	20.0
HTF1265-3R6M	3.6±20%	4.20	4.85	30.0	17.0
HTF1265-4R7M	4.7±20%	5.42	6.25	27.0	14.0
HTF1265-5R8M	5.8±20%	6.93	7.97	24.0	12.0
HTF1265-7R3M	7.3±20%	5.68	6.50	18.5	13.0
HTF1265-9R2M	9.2±20%	7.24	8.35	16.3	12.0
HTF1265-110M	11±20%	8.87	10.20	15.0	11.0
HTF1265-130M	13±20%	10.20	11.70	13.5	10.0
HTF1265-150M	15±20%	12.30	14.10	12.5	9.0
HTF1265-180M	18±20%	15.20	17.50	11.2	8.5
HTF1265-220M	22±20%	18.60	21.50	10.7	8.0
HTF1265-270M	27±20%	23.90	27.50	9.5	6.5
HTF1265-330M	33±20%	26.30	30.30	8.8	5.5
HTF1265-390M	39±20%	40.30	46.50	8.0	4.5
HTF1265-470M	47±20%	54.50	62.70	7.2	4.0

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HTF SERIES

HTF1810 SERIES

Part Number	L0(μH) @ (0A) 100KHz/0.1V	DCR(Ω)		Isat(A) Saturation Current	Irms(A) Heat Rating Current
		Tpy.	Max.	Max.	Max.
HTF1810-R82M	0.82±20%	0.54	0.62	70.0	41.5
HTF1810-1R3M	1.3±20%	0.85	1.00	67.0	36.0
HTF1810-2R0M	2.0±20%	1.20	1.38	57.0	32.5
HTF1810-2R7M	2.7±20%	1.58	1.82	50.0	31.5
HTF1810-3R6M	3.6±20%	2.20	2.60	43.0	25.0
HTF1810-4R7M	4.7±20%	2.85	3.40	39.0	22.5
HTF1810-5R6M	5.6±20%	3.18	3.70	35.0	21.0
HTF1810-6R8M	6.8±20%	4.10	4.70	31.0	18.5
HTF1810-8R5M	8.5±20%	4.82	5.55	28.0	18.0
HTF1810-100M	10±20%	6.00	6.90	24.0	16.0
HTF1810-150M	15±20%	8.20	9.43	19.0	14.0
HTF1810-220M	22±20%	12.10	14.10	14.0	11.0
HTF1810-330M	33±20%	20.00	23.00	11.0	8.5
HTF1810-470M	47±20%	33.70	38.80	9.4	6.8
HTF1810-560M	56±20%	35.80	41.20	8.5	6.5

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HTF SERIES

HTF2212 SERIES

Part Number	L0(uH) @(0A)100KHz/0.1 V	DCR(Ω)		Isat(A) Saturation Current	Irms(A) Heat Rating Current
		Tpy.	Max.	Max.	Max.
HTF2212-3R3M	3.3±20%	1.03	1.20	50.0	32.0
HTF2212-4R7M	4.7±20%	1.52	1.75	42.0	30.0
HTF2212-6R8M	6.8±20%	2.33	2.70	38.0	26.0
HTF2212-8R2M	8.2±20%	2.78	3.20	34.0	24.0
HTF2212-100M	10±20%	3.37	3.88	31.0	21.0
HTF2212-120M	12±20%	4.17	4.80	28.0	19.5
HTF2212-150M	15±20%	4.73	5.45	26.0	18.0
HTF2212-220M	22±20%	7.15	8.25	21.0	15.0
HTF2212-330M	33±20%	11.60	13.50	18.0	11.5
HTF2212-390M	39±20%	17.20	19.80	16.0	9.5
HTF2212-470M	47±20%	18.60	21.40	15.0	9.0
HTF2212-560M	56±20%	20.20	23.30	13.0	8.2
HTF2212-680M	68±20%	26.30	30.30	12.5	7.5
HTF2212-820M	82±20%	29.30	33.70	10.0	7.0
HTF2212-101M	100±20%	35.50	40.80	9.0	6.1