

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HTP SERIES

1. FEATURES:

- (1) Assemblage design, sturdy structure.
- (2) High inductance, high current, low magnetic loss, low ESR, small parasitic capacitance.
- (3) Flat wire winding, achieve a low DC resistance.
- (4) Low power loss, suitable for applications of wide temperature and frequency range.

2. APPLICATIONS:

- (1) Tablet PC, LCD display, server application.
- (2) High current power supplies, Battery power devices.
- (3) DC/DC converters in distributed power systems.

3. PART NUMBER SYSTEM:

HTP	2012	S	1R0	N
series	dimension	Feature Type	inductance value	tolerance

Feature Type

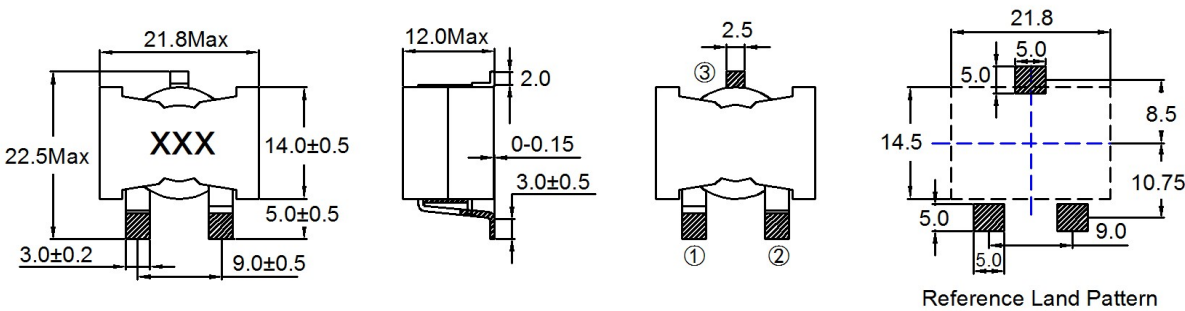
S	Prosthetic Foot
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Tolerance

J-----+/-5%	M-----+/-20%
K-----+/-10%	P-----+/-25%
L-----+/-15%	N-----+/-30%

4. PHYSICAL CHARACTERISTICS :

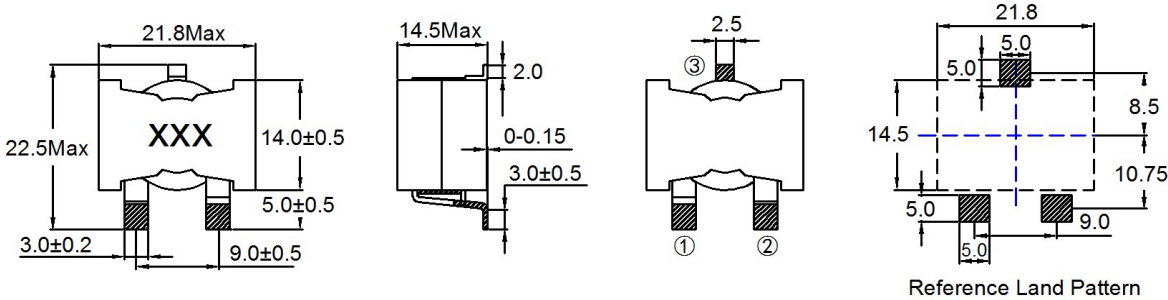
HTP2012 SERIES



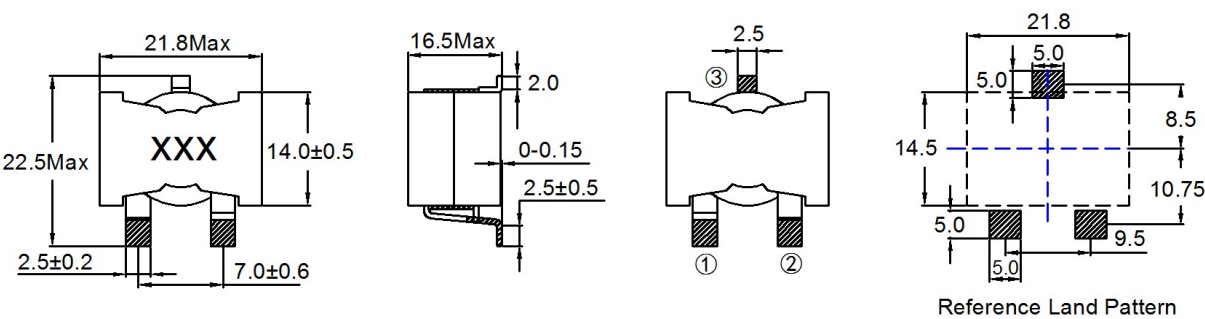
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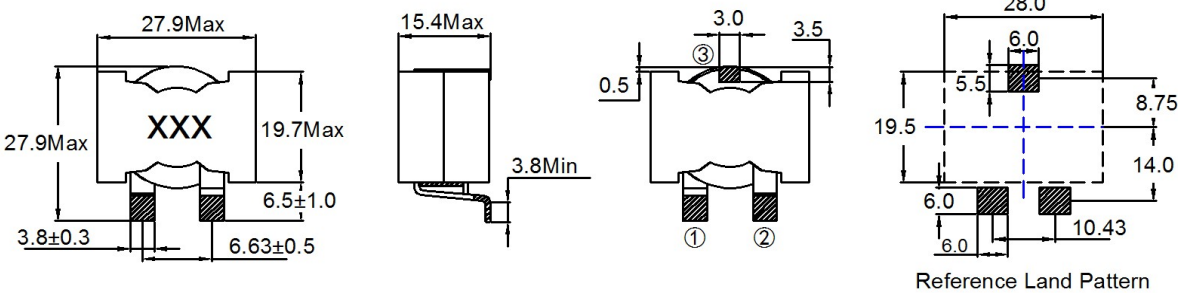
HTP2014 SERIES



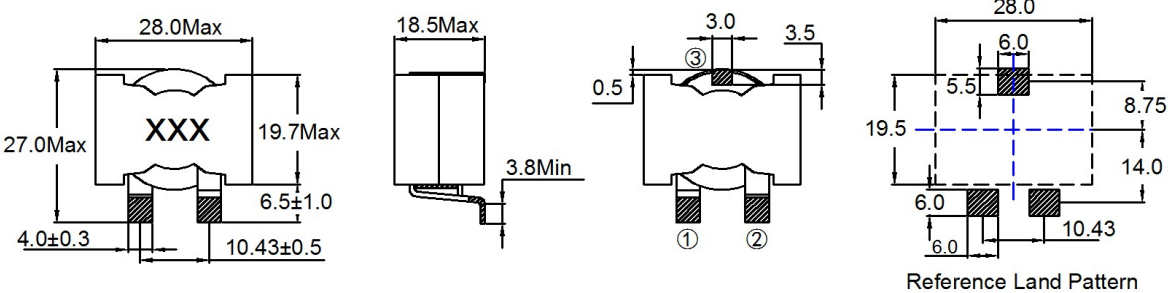
HTP2016 SERIES



HTP2915 SERIES



HTP2918 SERIES



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HTP SERIES

5. ELECTRICAL CHARACTERISTICS:

HTP2012 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.
HTP2012S-1R0M	1.0 $\pm$ 20%	1.15	1.38	62.0	35.0
HTP2012S-1R5M	1.5 $\pm$ 20%	1.15	1.38	60.0	35.0
HTP2012S-2R2M	2.2 $\pm$ 20%	1.78	2.13	50.0	28.0
HTP2012S-3R3M	3.3 $\pm$ 20%	1.78	2.13	35.0	28.0
HTP2012S-4R7M	4.7 $\pm$ 20%	1.78	2.13	24.0	28.0
HTP2012S-6R8M	6.8 $\pm$ 20%	1.78	2.13	18.0	28.0
HTP2012S-8R2M	8.2 $\pm$ 20%	1.78	2.13	13.0	28.0
HTP2012S-100M	10 $\pm$ 20%	4.80	5.76	13.0	16.0
HTP2012S-150M	15 $\pm$ 20%	4.80	5.76	10.0	16.0
HTP2012S-220M	22 $\pm$ 20%	6.80	8.16	10.0	14.0
HTP2012S-330M	33 $\pm$ 20%	6.80	8.16	7.0	14.0

HTP2014 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.
HTP2014S-1R4M	1.4 $\pm$ 20%	0.86	1.02	60.0	31.5
HTP2014S-2R2M	2.2 $\pm$ 20%	1.32	1.58	52.0	30.5
HTP2014S-3R1M	3.1 $\pm$ 20%	1.92	2.30	45.0	26.0
HTP2014S-4R2M	4.2 $\pm$ 20%	2.54	3.04	38.0	24.0
HTP2014S-5R5M	5.5 $\pm$ 20%	3.30	3.96	33.0	22.0
HTP2014S-7R0M	7.0 $\pm$ 20%	4.25	5.10	30.0	21.0
HTP2014S-8R6M	8.6 $\pm$ 20%	5.90	7.08	25.0	17.0
HTP2014S-100M	10 $\pm$ 20%	6.50	7.80	23.0	16.0
HTP2014S-150M	15 $\pm$ 20%	7.10	8.50	21.0	14.0
HTP2014S-220M	22 $\pm$ 20%	8.60	10.30	15.0	12.5
HTP2014S-330M	33 $\pm$ 20%	9.28	11.10	11.0	12.0
HTP2014S-470M	47 $\pm$ 20%	10.00	12.00	8.5	11.5

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HTP2016 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.
HTP2016S-4R7M	4.7 $\pm$ 20%	3.30	4.00	42.0	21.0
HTP2016S-6R8M	6.8 $\pm$ 20%	3.57	4.30	30.0	20.0
HTP2016S-8R2M	8.2 $\pm$ 20%	3.57	4.30	25.0	20.0
HTP2016S-100M	10 $\pm$ 20%	5.28	6.30	24.0	16.0
HTP2016S-220M	22 $\pm$ 20%	5.28	6.30	10.0	16.0
HTP2016S-330M	33 $\pm$ 20%	13.00	15.00	9.0	12.0
HTP2016S-470M	47 $\pm$ 20%	13.00	15.00	6.5	12.0

HTP2915 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.
HTP2915S-2R2M	2.2 $\pm$ 20%	1.45	1.65	100	32.0
HTP2915S-3R3M	3.3 $\pm$ 20%	1.45	1.65	68.0	32.0
HTP2915S-4R7M	4.7 $\pm$ 20%	1.45	1.65	50.0	32.0
HTP2915S-6R8M	6.8 $\pm$ 20%	1.45	1.65	36.0	32.0
HTP2915S-100M	10 $\pm$ 20%	1.45	1.65	23.0	32.0
HTP2915S-150M	15 $\pm$ 20%	1.45	1.65	15.0	32.0
HTP2915S-220M	22 $\pm$ 20%	1.45	1.65	9.6	32.0
HTP2915S-330M	33 $\pm$ 20%	1.45	1.65	5.9	32.0

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HTP2918 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.
HTP2918S-3R3M	3.3 $\pm$ 20%	2.15	2.58	94.0	30.0
HTP2918S-4R7M	4.7 $\pm$ 20%	2.15	2.58	65.0	30.0
HTP2918S-6R8M	6.8 $\pm$ 20%	2.15	2.58	48.0	30.0
HTP2918S-100M	10 $\pm$ 20%	2.15	2.58	33.0	30.0
HTP2918S-150M	15 $\pm$ 20%	2.15	2.58	24.0	30.0
HTP2918S-220M	22 $\pm$ 20%	2.15	2.58	15.0	30.0
HTP2918S-330M	33 $\pm$ 20%	2.15	2.58	10.5	30.0