

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

1. FEATURES:

- (1)Metal material for large current and low loss
- (2)Vinyl thermal spray,better surface compactness
- (3)Closed magnetic circuit design reduces leakage flux

2. APPLICATIONS:

- (1)Smart phone,pad
- (2)Notebooks,VR,AR
- (3)Portable gaming devices,Smart wear,Wi-Fi module

3. PART NUMBER SYSTEM:

HSM	252010	S	1R0	M	B	C	A
series	dimension	feature type	inductance value	tolerance	product col	common	special define

Feature type:

S-----+/-0.2mm	D-----+/-0.1mm
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Tolerance:

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

Product color:

B-----black	G-----Gray
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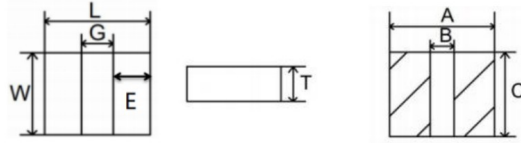
Special define:

A-----Routine	B-Z-----Special
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SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

4. PHYSICAL CHARACTERISTICS :



Series	L	G	W	E	T	A	B	C
HSM100765D	1.0±0.1	0.4±0.2	0.7±0.1	0.30±0.2	0.65Max.	1.10	0.30	0.80
HSM121065S	1.2±0.2	0.4±0.2	1.0±0.2	0.40±0.2	0.65Max.	1.30	0.30	1.10
HSM160865D	1.6±0.1	0.6±0.2	0.8±0.1	0.50±0.2	0.65Max.	1.70	0.50	0.90
HSM160865S	1.6±0.2	0.6±0.2	0.8±0.2	0.50±0.2	0.65Max.	1.70	0.50	0.90
HSM160808S	1.6±0.2	0.6±0.2	0.8±0.2	0.50±0.2	0.80Max.	1.70	0.50	0.90
HSM141265S	1.4±0.2	0.5±0.2	1.2±0.2	0.45±0.2	0.65Max.	1.50	0.40	1.30
HSM141207S	1.4±0.2	0.5±0.2	1.2±0.2	0.45±0.2	0.70Max.	1.50	0.40	1.30
HSM141208S	1.4±0.2	0.5±0.2	1.2±0.2	0.45±0.2	0.80Max.	1.50	0.40	1.30
HSM201265S	2.0±0.2	0.6±0.2	1.2±0.2	0.70±0.2	0.65Max.	2.10	0.50	1.30
HSM201208S	2.0±0.2	0.6±0.2	1.2±0.2	0.70±0.2	0.80Max.	2.10	0.50	1.30
HSM201210S	2.0±0.2	0.6±0.2	1.2±0.2	0.70±0.2	1.00Max.	2.10	0.50	1.30
HSM201655S	2.0±0.2	0.6±0.2	1.6±0.2	0.70±0.2	0.55Max.	2.10	0.50	1.70
HSM201665S	2.0±0.2	0.6±0.2	1.6±0.2	0.70±0.2	0.65Max.	2.10	0.50	1.70
HSM201607S	2.0±0.2	0.6±0.2	1.6±0.2	0.70±0.2	0.70Max.	2.10	0.50	1.70
HSM201608S	2.0±0.2	0.6±0.2	1.6±0.2	0.70±0.2	0.80Max.	2.10	0.50	1.70
HSM201610S	2.0±0.2	0.6±0.2	1.6±0.2	0.70±0.2	1.00Max.	2.10	0.50	1.70
HSM201610D	2.0±0.1	0.6±0.2	1.6±0.1	0.70±0.2	1.00Max.	2.00	0.50	1.60
HSM201612S	2.0±0.2	0.6±0.2	1.6±0.2	0.70±0.2	1.20Max.	2.10	0.50	1.70
HSM252055S	2.5±0.2	0.8±0.2	2.0±0.2	0.85±0.2	0.55Max.	2.60	0.70	2.10
HSM252075S	2.5±0.2	0.8±0.2	2.0±0.2	0.85±0.2	0.75Max.	2.60	0.70	2.10
HSM252008S	2.5±0.2	0.8±0.2	2.0±0.2	0.85±0.2	0.80Max.	2.60	0.70	2.10
HSM252010S	2.5±0.2	0.8±0.2	2.0±0.2	0.85±0.2	1.00Max.	2.60	0.70	2.10
HSM252012S	2.5±0.2	0.8±0.2	2.0±0.2	0.85±0.2	1.20Max.	2.60	0.70	2.10
HSM322510S	3.2±0.2	1.0±0.2	2.5±0.2	1.05±0.2	1.00Max.	3.20	0.90	2.50
HSM322512S	3.2±0.2	1.0±0.2	2.5±0.2	1.05±0.2	1.20Max.	3.20	0.90	2.50
HSM322520S	3.2±0.2	1.0±0.2	2.5±0.2	1.05±0.2	2.00Max.	3.20	0.90	2.50
HSM303010D	3.0±0.1	0.9±0.2	3.0±0.1	1.00±0.2	1.00Max.	3.00	0.80	3.00
HSM303012D	3.0±0.1	0.9±0.2	3.0±0.1	1.00±0.2	1.20Max.	3.00	0.80	3.00
HSM303015D	3.0±0.1	0.9±0.2	3.0±0.1	1.00±0.2	1.50Max.	3.00	0.80	3.00
HSM303018D	3.0±0.1	0.9±0.2	3.0±0.1	1.00±0.2	1.80Max.	3.00	0.80	3.00
HSM303020D	3.0±0.1	0.9±0.2	3.0±0.1	1.00±0.2	2.00Max.	3.00	0.80	3.00
HSM404010S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	1.00Max.	4.10	1.10	4.10
HSM404012S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	1.20Max.	4.10	1.10	4.10
HSM404020S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	2.00Max.	4.10	1.10	4.10
HSM404030S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	3.00Max.	4.10	1.10	4.10

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

5. ELECTRICAL CHARACTERISTICS:

HSM100765D SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM100765D1R5MBCA	1.5	400	500	1.1	0.9	0.40	0.3
HSM100765D2R6MGCA	2.6	750	900	1.0	0.8	0.55	0.4

HSM121065S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM121065S2R2MBCA	2.2	280	340	1.3	1.2	1.0	0.9

HSM160865S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM160865SR22MGCA	0.22	35	43	5.0	4.5	4.0	3.5
HSM160865SR47MGCA	0.47	66	82	3.3	3.0	2.3	2.0
HSM160865SR47MGCD	0.47	65	78	3.5	3.2	2.5	3.0
HSM160865S1R0MGCA	1.00	180	200	2.4	2.0	1.8	1.5
HSM160865S1R0MGCD	1.00	140	160	2.2	2.0	2.2	1.8
HSM160865S2R2MBCA	2.20	390	430	1.6	1.3	1.3	1.1

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

HSM160808S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM160808SR22MBCA	0.22	33	40	5.5	5.0	3.4	3.0
HSM160808SR24MBCA	0.24	34	41	5.3	4.8	3.3	2.9
HSM160808SR24MBCD	0.24	22	26	4.9	4.4	3.9	3.5
HSM160808SR47MBCA	0.47	80	100	4.1	3.7	2.6	2.3
HSM160808SR47MBCD	0.47	38	45	4.0	3.5	3.8	3.4
HSM160808SR56MBCA	0.56	85	110	4.0	3.5	2.2	1.9
HSM160808SR56MBCD	0.56	51	63	3.0	2.7	2.5	2.2
HSM160808SR68MBCA	0.68	110	123	3.3	3.0	2.1	1.9
HSM160808S1R0MBCA	1.00	180	200	3.0	2.6	2.1	1.8
HSM160808S1R0MGCD	1.00	105	115	2.3	2.1	2.1	1.8
HSM160808S1R5MBCA	1.50	240	285	2.4	2.0	1.7	1.4
HSM160808S2R2MGCA	2.20	220	260	1.5	1.3	1.4	1.2
HSM160808S3R3MBCA	3.30	500	600	1.4	1.2	1.0	0.9
HSM160808S4R7MBCA	4.70	585	700	1.2	1.0	1.0	0.8
HSM160808S100MBCA	10.00	1450	1600	0.8	0.7	0.5	0.4

HSM141265S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM141265SR33MBCA	0.33	26	32	4.4	4.0	4.4	4.2
HSM141265SR33MGCA	0.33	26	32	4.4	4.0	4.4	4.2
HSM141265SR47MBCA	0.47	37	45	3.4	3.0	3.0	2.7
HSM141265SR47MGCA	0.47	37	45	3.4	3.0	3.0	2.7
HSM141265SR47MGCB	0.47	35	38	3.9	3.6	2.9	2.6

HSM141207S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM141207SR24MBCA	0.24	22	28	4.6	4.3	4.0	3.6
HSM141207SR47MBCA	0.47	34	38	3.8	3.5	3.8	3.3

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HSM SERIES

HSM141208S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM141208SR24MBCA	0.24	22	27	6.0	5.7	4.1	3.7
HSM141208SR24MBCD	0.24	21	24	7.2	6.5	6.6	6.0
HSM141208SR33MBCA	0.33	23	28	5.3	5.0	4.0	3.5
HSM141208SR33MGCA	0.33	23	28	5.3	5.0	4.0	3.5
HSM141208SR47MBCA	0.47	29	35	4.6	4.2	3.8	3.3
HSM141208SR47MGCA	0.47	29	35	4.6	4.2	3.8	3.3
HSM141208S1R0MBCA	1.00	65	77	3.0	2.5	3.0	2.5

HSM201265S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM201265S1R0MBCA	1.0	78	86	2.8	2.5	2.6	2.3
HSM201265S2R2MBCA	2.2	215	230	1.8	1.5	1.7	1.4
HSM201265S2R2MBCD	2.2	175	210	1.4	1.3	1.4	1.3

HSM201208S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM201208SR11MBCA	0.11	10	12	9.5	9.0	7.0	6.5
HSM201208SR15MBCA	0.15	11	13	7.5	7.0	6.8	6.3
HSM201208SR24MBCA	0.24	18	23	6.5	6.0	6.5	5.9
HSM201208SR24MGCA	0.24	18	23	6.5	6.0	6.5	5.9
HSM201208SR24MGCB	0.24	17	20	7.0	6.6	6.5	4.0
HSM201208SR33MBCA	0.33	33	45	5.2	4.8	4.3	3.3
HSM201208SR47MBCA	0.47	34	50	5.0	4.6	3.5	3.3
HSM201208SR47MGCA	0.47	34	50	5.0	4.6	3.5	4.5
HSM201208SR47MBCD	0.47	24	28	5.2	4.8	4.7	3.3
HSM201208SR68MBCA	0.68	50	60	4.2	3.7	3.7	2.9
HSM201208S1R0MBCA	1.00	55	70	4.0	3.5	3.3	2.8
HSM201208S1R0MBCD	1.00	48	55	3.2	2.8	3.2	2.8
HSM201208S1R0MGCD	1.00	48	55	3.2	2.8	3.2	1.9
HSM201208S1R5MBCA	1.50	118	135	3.0	2.5	2.2	1.8
HSM201208S2R2MBCA	2.20	160	185	2.6	2.3	2.2	1.6
HSM201208S2R2MBCB	2.20	130	156	2.2	2.0	1.8	1.5
HSM201208S3R3MBCA	3.30	253	300	1.9	1.6	1.8	1.5
HSM201208S4R7MBCA	4.70	285	325	1.6	1.4	1.7	1.5

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HSM SERIES

HSM201210S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM201210SR10MBCA	0.10	8	13	8.5	8.0	7.5	7.0
HSM201210SR22MBCA	0.22	16	22	7.3	6.8	7.1	6.5
HSM201210SR24MBCA	0.24	17	23	7.2	6.7	7.0	6.4
HSM201210SR24MGCD	0.24	13	17	7.2	6.7	7.0	6.4
HSM201210SR33MBCA	0.33	24	32	6.5	6.0	5.5	5.0
HSM201210SR33MGCB	0.33	14	16	6.7	6.3	5.7	5.2
HSM201210SR47MBCA	0.47	29	36	5.5	5.0	4.7	4.3
HSM201210SR47MGCB	0.47	22	26	6.0	5.5	5.0	4.5
HSM201210SR68MBCA	0.68	37	43	5.0	4.5	4.3	4.0
HSM201210S1R0MBCA	1.00	55	63	4.0	3.5	3.9	3.5
HSM201210S1R0MBCD	1.00	50	55	4.0	3.5	4.0	3.5
HSM201210S1R5MBCA	1.50	76	85	3.2	2.7	3.1	2.6
HSM201210S2R2MBCA	2.20	135	150	2.7	2.4	2.0	1.7
HSM201210S3R3MBCA	3.30	210	260	2.2	1.8	1.8	1.5
HSM201210S4R7MBCA	4.70	275	300	1.8	1.6	1.6	1.4
HSM201210S6R8MBCA	6.80	440	520	1.4	1.2	1.5	1.3
HSM201210S100MBCA	10.00	600	660	1.2	1.0	1.1	1.0

HSM201212S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM201212SR11MBCA	0.11	5.5	6.2	12.0	11.0	12.0	11.0
HSM201212SR11MBCD	0.11	5.0	5.8	12.0	11.0	12.0	11.0
HSM201212SR24MBCA	0.24	13	16	9.0	8.5	7.5	7.0
HSM201212SR24MBCD	0.24	13	15	9.0	8.5	7.7	7.2
HSM201212SR47MBCA	0.47	20	23.5	5.5	5.0	6.0	5.5
HSM201212SR47MBCD	0.47	20	22	5.5	5.0	6.2	5.7
HSM201210S3R3MBCA	3.30	180	210	2.0	1.8	1.8	1.6

HSM201655S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM201655SR33MBCA	0.33	34	41	4.0	3.5	4.0	3.5
HSM201655SR47MBCA	0.47	44	53	3.5	3.0	3.5	3.0

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HSM SERIES

HSM201665S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM201665S1R0MBCA	1.0	58	70	3.0	2.7	3.5	3.0

HSM201607S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM201607S2R2MBCA	2.2	150	175	2.3	2.0	2.1	1.8

HSM201608S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM201608SR22MBCA	0.22	14	19	6.1	5.6	6.6	5.9
HSM201608SR24MBCA	0.24	14	20	6.0	5.5	6.5	5.8
HSM201608SR33MBCA	0.33	18	24	5.8	5.3	5.5	4.8
HSM201608SR47MBCA	0.47	24	27	5.5	5.0	4.6	4.4
HSM201608SR47MGCA	0.47	24	27	5.5	5.0	4.6	4.4
HSM201608SR68MBCA	0.68	39	44	4.6	4.2	3.8	3.5
HSM201608S1R0MBCA	1.00	53	60	3.3	3.1	3.6	3.3
HSM201608S1R0MGCD	1.00	45	52	3.8	3.5	3.6	3.3
HSM201608S1R5MBCA	1.50	73	85	3.0	2.8	3.1	2.8
HSM201608S2R2MBCA	2.20	123	140	2.5	2.3	2.2	2.0
HSM201608S3R3MBCA	3.30	200	220	2.1	1.8	1.8	1.5
HSM201608S4R7MBCA	4.70	260	290	1.7	1.5	1.6	1.4
HSM201608S100MBCA	10.00	690	800	1.0	0.9	1.0	0.9

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

HSM201610S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM201610SR10MBCA	0.10	7	12	9.0	8.4	8.5	8.0
HSM201610SR11MBCA	0.11	8	13	8.9	8.2	8.0	7.5
HSM201610SR15MBCA	0.15	8	14	8.7	8.0	7.6	7.0
HSM201610SR22MBCA	0.22	11	18	8.2	7.5	6.9	6.3
HSM201610SR24MBCA	0.24	12	19	8.0	7.4	6.8	6.2
HSM201610SR24MBCD	0.24	11	14	8.0	7.4	6.8	6.2
HSM201610SR33MBCA	0.33	17	22	7.0	6.5	5.7	5.3
HSM201610SR33MGCA	0.33	17	22	7.0	6.5	5.7	5.3
HSM201610SR47MBCA	0.47	22	25	6.3	5.5	5.5	5.0
HSM201610SR47MBCB	0.47	22	25	6.5	6.0	5.8	5.6
HSM201610SR47MGCA	0.47	22	25	6.3	5.5	5.5	5.0
HSM201610SR47MGCD	0.47	19	23	6.2	5.6	6.0	5.6
HSM201610SR68MBCA	0.68	25	32	5.2	4.7	4.6	4.3
HSM201610SR68MBCB	0.68	25	32	5.7	5.5	5.5	5.2
HSM201610S1R0MBCA	1.00	35	43	4.6	4.2	4.5	4.1
HSM201610S1R0MGCA	1.00	35	43	4.6	4.2	4.5	4.1
HSM201610S1R0MBCD	1.00	31	36	4.7	4.2	4.6	4.2
HSM201610S1R0MGCD	1.00	31	36	4.7	4.2	4.6	4.2
HSM201610S1R5MBCA	1.50	80	100	3.2	2.9	2.6	2.3
HSM201610S2R2MBCA	2.20	120	130	3.0	2.8	2.5	2.1
HSM201610S2R2MGCA	2.20	120	130	3.0	2.8	2.5	2.1
HSM201610S2R2MGCD	2.20	105	115	3.0	2.8	2.5	2.1
HSM201610D2R2MBCA	2.20	115	125	3.3	3.0	2.5	2.2
HSM201610S3R3MBCA	3.30	140	170	2.3	2.0	1.7	1.5
HSM201610D4R7MBCA	4.70	250	276	1.9	1.7	1.6	1.4
HSM201610S4R7MBCA	4.70	190	220	2.0	1.8	1.6	1.4
HSM201610S4R7MGCA	4.70	190	220	2.0	1.8	1.6	1.4
HSM201610S100MBCA	10.00	483	580	1.4	1.1	1.0	0.7

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

HSM201612S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM201612SR10MBCA	0.10	4.0	6.0	13.0	11.5	12.0	10.0
HSM201612SR11MBCA	0.11	4.8	5.6	12.5	11.0	15.5	14.5
HSM201612SR15MBCA	0.15	7.5	10.0	12.0	10.5	10.0	9.0
HSM201612SR24MBCA	0.24	9.0	11.0	9.2	8.7	9.1	8.6
HSM201612SR33MBCA	0.33	10.0	15.0	7.8	7.3	7.7	7.2
HSM201612SR47MBCA	0.47	13.0	17.0	6.7	6.0	6.7	6.0
HSM201612SR68MBCA	0.68	19.0	23.0	6.0	5.3	6.0	5.3
HSM201612S1R0MBCA	1.00	30.0	36.0	5.0	4.5	5.0	4.5
HSM201612S1R5MBCA	1.50	40.0	50.0	4.0	3.5	4.0	3.5
HSM201612S2R2MBCA	2.20	77.0	90.0	3.1	2.7	3.3	2.9
HSM201612S3R3MBCA	3.30	135.0	165.0	2.7	2.3	2.4	2.0

HSM2252055S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM2252055SR47MBCA	0.47	42	49	3.5	3.2	5.5	5.2

HSM252075S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM252075S2R2MGCA	2.20	78	90	2.6	2.4	2.3	2.0
HSM252075S100MGCA	10.00	487	530	1.1	0.9	1.1	0.9

HSM252008S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM252008SR47MBCA	0.47	22	27	6.0	5.3	6.5	6.0
HSM252008S1R0MBCA	1.00	34	40	4.5	4.0	4.3	4.0
HSM252008S1R5MBCA	1.50	64	75	3.5	3.0	3.4	3.0
HSM252008S2R2MBCA	2.20	69	77	3.0	2.6	3.0	2.6
HSM252008S3R3MBCA	3.30	150	180	2.5	2.1	2.5	2.1
HSM252008S4R7MBCA	4.70	180	215	1.9	1.5	2.0	1.5
HSM252008S100MBCA	10.00	500	600	1.1	0.9	1.4	1.2

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

HSM252010S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM252010SR22MBCA	0.22	12	17	8.60	7.9	6.80	6.50
HSM252010SR22MGCA	0.22	12	17	8.60	7.9	6.80	6.50
HSM252010SR24MBCA	0.24	12	18	8.50	7.8	6.70	6.40
HSM252010SR33MBCA	0.33	13	19	7.60	7.2	6.50	6.20
HSM252010SR33MGCA	0.33	13	19	7.60	7.2	6.50	6.20
HSM252010SR47MBCA	0.47	15	22	6.90	6.5	6.10	5.60
HSM252010SR47MGCA	0.47	15	22	6.90	6.5	6.10	5.60
HSM252010SR47MBCD	0.47	13	15	6.60	6.0	6.50	6.00
HSM252010SR68MBCA	0.68	23	27	5.90	5.5	5.60	5.00
HSM252010SR82MBCA	0.82	25	29	5.30	4.8	4.50	4.10
HSM252010S1R0MBCA	1.00	25	30	5.40	4.8	4.70	4.10
HSM252010S1R0MGCA	1.00	25	30	5.40	4.8	4.70	4.10
HSM252010S1R5MBCA	1.50	45	55	4.30	3.9	3.40	3.00
HSM252010S1R5MGCA	1.50	45	55	4.30	3.9	3.40	3.00
HSM252010S2R2MBCA	2.20	62	70	3.30	3.0	2.40	2.10
HSM252010S2R2MGCA	2.20	62	70	3.30	3.0	2.40	2.10
HSM252010S2R2MBCB	2.20	62	70	3.70	3.3	2.60	2.30
HSM252010S2R2MBCD	2.20	62	70	3.40	3.1	4.00	3.20
HSM252010S3R3MBCA	3.30	86	100	2.80	2.5	2.50	2.10
HSM252010S3R3MGCA	3.30	86	100	2.80	2.5	2.50	2.10
HSM252010S4R7MBCA	4.70	160	180	2.60	2.0	2.00	1.60
HSM252010S4R7MGCA	4.70	160	180	2.60	2.0	2.00	1.60
HSM252010S4R7MBCD	4.70	145	160	2.60	2.0	2.00	1.60
HSM252010S6R8MBCA	6.80	270	320	2.40	1.9	1.60	1.40
HSM252010S100MBCA	10.00	500	560	1.55	1.4	1.05	0.95
HSM252010S100MGCA	10.00	500	560	1.55	1.4	1.05	0.95
HSM252010S220MGCA	22.00	1100	1300	1.10	0.9	0.85	0.60

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

HSM252012S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM252012SR10MBCA	0.10	6	10	13.5	12.50	12.0	10.50
HSM252012SR15MBCA	0.15	7	11	13.0	12.00	11.5	10.00
HSM252012SR22MBCA	0.22	9	14	9.6	9.00	8.2	7.60
HSM252012SR22MBCD	0.22	8	10	12.0	10.00	11.0	8.00
HSM252012SR24MBCA	0.24	10	15	9.3	8.80	8.0	7.50
HSM252012SR24MGCA	0.24	10	15	9.3	8.80	8.0	7.50
HSM252012SR33MBCA	0.33	11	17	8.3	7.80	6.8	6.40
HSM252012SR47MBCA	0.47	13	19	7.5	7.00	6.5	6.00
HSM252012SR47MBCD	0.47	11	13	8.5	8.00	8.0	7.50
HSM252012SR47MGCD	0.47	11	13	8.5	8.00	8.0	7.50
HSM252012SR68MBCA	0.68	17	23	6.5	6.00	6.3	5.50
HSM252012SR68MBCD	0.68	15	18	6.7	6.00	7.5	7.00
HSM252012SR82MBCA	0.82	19	24	6.5	5.80	5.8	5.30
HSM252012S1R0MBCA	1.00	35	42	5.6	5.00	4.0	3.60
HSM252012S1R0MBCD	1.00	16	22	6.5	6.00	5.2	4.50
HSM252012S1R0MGCD	1.00	16	22	6.5	6.00	5.2	4.50
HSM252012S1R0MBCF	1.00	30	36	5.6	5.00	5.5	5.00
HSM252012S1R2MBCA	1.20	40	45	4.5	4.10	3.8	3.00
HSM252012S1R5MBCA	1.50	44	50	4.5	4.10	3.7	3.20
HSM252012S1R5MBCD	1.50	27	32	4.7	4.40	4.6	4.20
HSM252012S1R5MGCA	1.50	44	50	4.5	4.10	3.7	3.20
HSM252012S2R2MBCA	2.20	55	65	3.8	3.30	3.0	2.70
HSM252012S2R2MGCA	2.20	55	65	3.8	3.30	3.0	2.70
HSM252012S3R3MBCA	3.30	80	97	3.0	2.70	2.3	1.80
HSM252012S4R7MBCA	4.70	150	170	2.4	2.10	1.8	1.50
HSM252012S4R7MGCA	4.70	150	170	2.4	2.10	1.8	1.50
HSM252012S6R8MBCA	6.80	245	270	2.0	1.70	1.6	1.40
HSM252012S100MBCA	10.00	330	400	1.6	1.45	1.2	1.05
HSM252012S100MGCA	10.00	330	400	1.6	1.45	1.2	1.05
HSM252012S220MBCA	22.00	740	800	1.1	1.00	1.2	1.10

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

HSM322510S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM322510SR22MBCA	0.22	9	11	8.5	8.0	8.5	8.0
HSM322510SR33MBCA	0.33	11	15	8.3	7.8	8.3	7.8
HSM322510SR47MBCA	0.47	17	22	8.3	7.6	6.4	5.9
HSM322510SR68MBCA	0.68	22	28	7.5	7.0	6.2	5.7
HSM322510S1R0MBCA	1.00	25	30	6.0	5.3	5.4	4.9
HSM322510S1R5MBCA	1.50	34	42	5.0	4.4	4.0	3.6
HSM322510S2R2MBCA	2.20	55	66	4.0	3.5	3.7	3.4
HSM322510S3R3MBCA	3.30	105	120	3.7	3.3	2.7	2.3
HSM322510S4R7MBCA	4.70	125	140	2.8	2.5	2.3	1.9
HSM322510S6R8MBCA	6.80	290	320	2.4	2.0	1.9	1.6
HSM322510S100MBCA	10.00	325	365	2.2	1.8	2.2	1.8

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

HSM322512S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM322512SR10MBCA	0.10	5	7	18.0	16.5	12.0	11.0
HSM322512SR22MBCA	0.22	7	10	11.5	11.0	9.2	8.7
HSM322512SR22MGCA	0.22	7	10	11.5	11.0	9.2	87.0
HSM322512SR24MBCA	0.24	7	12	11.0	10.5	9.0	8.5
HSM322512SR33MBCA	0.33	9	14	10.0	9.5	8.4	8.1
HSM322512SR47MBCA	0.47	14	19	8.6	8.2	7.5	7.2
HSM322512SR47MGCA	0.47	14	19	8.6	8.2	7.5	7.2
HSM322512SR47MBCD	0.47	11	14	8.6	8.2	7.5	7.2
HSM322512SR68MBCA	0.68	18	23	8.1	7.7	7.3	6.8
HSM322512SR68MBCD	0.68	12	15	8.0	7.5	7.0	6.5
HSM322512S1R0MBCA	1.00	26	30	6.6	5.8	5.3	4.8
HSM322512S1R0MGCA	1.00	26	30	6.6	5.8	5.3	4.8
HSM322512S1R0MBCD	1.00	18	21	7.7	7.0	5.5	5.0
HSM322512S1R5MBCA	1.50	37	44	5.1	4.7	4.7	4.3
HSM322512S2R2MBCA	2.20	58	70	4.6	4.2	3.6	3.0
HSM322512S2R2MBCD	2.20	42	50	5.0	4.5	4.2	3.7
HSM322512S2R2MGCD	2.20	42	50	5.0	4.5	4.2	3.7
HSM322512S3R3MBCA	3.30	75	95	3.7	3.2	2.9	2.5
HSM322512S3R3MGCA	3.30	75	95	3.7	3.2	2.9	2.5
HSM322512S3R3MGCD	3.30	62	67	3.7	3.2	2.9	2.5
HSM322512S4R7MBCA	4.70	115	135	2.9	2.6	2.3	2.0
HSM322512S4R7MBCF	4.70	105	120	3.0	2.6	2.5	2.1
HSM322512S4R7MBCB	4.70	115	135	3.2	2.8	2.3	2.0
HSM322512S6R8MBCA	6.80	177	210	2.8	2.4	2.1	1.9
HSM322512S100MBCA	10.00	210	230	2.3	1.9	2.2	1.8

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

HSM322520S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM322520SR33MBCA	0.33	7.5	9.0	15.5	14.0	9.5	9.0
HSM322520SR47MBCA	0.47	9.0	10.5	15.0	13.0	9.5	8.5
HSM322520SR68MBCA	0.68	12.5	14.5	13.0	11.0	9.0	8.0
HSM322520S1R0MBCA	1.00	15.0	17.5	9.0	8.3	8.2	7.5
HSM322520S1R5MBCA	1.50	22.0	25.0	6.8	6.0	6.5	6.0
HSM322520S2R2MBCA	2.20	36.0	43.0	6.5	5.5	5.4	4.8
HSM322520S3R3MBCA	3.30	55.0	60.0	4.5	3.5	4.5	4.0
HSM322520S4R7MBCA	4.70	81.0	94.0	4.0	3.0	3.5	3.0
HSM322520S6R8MBCA	6.80	101.0	125.0	3.8	2.9	2.8	2.3

HSM303010S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM303010S6R8MBCA	6.80	225	270	1.8	1.5	2.1	1.8
HSM303010S100MBCA	10.00	320	360	1.6	1.3	2.0	1.7

HSM303012D SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM303012D1R0MBCA	1.00	23	27	6.0	5.5	5.5	5.0
HSM303012D4R7MBCA	4.70	100	120	3.0	2.5	3.0	2.5
HSM303012D100MBCA	10.00	192	220	2.3	2.0	2.3	1.9
HSM303012D150MBCA	15.00	345	380	1.9	1.6	1.6	1.3

HSM303015D SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM303015DR15MBCA	0.15	5	6	16.0	15.0	12.0	11.0
HSM303015DR47MBCA	0.47	9	11	10.0	9.0	9.0	8.0
HSM303015D1R0MBCA	1.00	18	22	7.0	6.5	6.0	5.5
HSM303015D2R2MBCA	2.20	42	50	5.0	4.5	4.5	4.0
HSM303015D4R7MBCA	4.70	87	104	4.0	3.5	3.5	3.0
HSM303015D6R8MBCA	6.80	160	180	3.5	3.0	2.5	2.0
HSM303015D100MBCA	10.00	185	215	2.8	2.5	2.0	1.5
HSM303015D220MBCA	22.00	580	700	1.6	1.2	1.2	1.0

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

HSM303018D SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM303018DR22MBCA	0.22	6	7	17.0	16.0	10.0	9.0
HSM303018DR47MBCA	0.47	8	10	12.0	11.0	9.0	8.0
HSM303018D1R0MBCA	1.00	15	21	7.6	6.8	6.3	5.8
HSM303018D1R5MBCA	1.50	20	26	8.0	7.0	6.8	6.4
HSM303018D4R7MBCA	4.70	72	87	4.7	4.2	3.4	3.0

HSM303020D SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM303020DR15MBCA	0.15	4	5	18.0	17.0	13.0	12.0
HSM303020DR33MBCA	0.33	8	9	17.0	15.0	10.0	9.0
HSM303020DR50MBCA	0.50	9	12	15.0	13.0	9.0	8.0
HSM303020DR68MBCA	0.68	13	16	13.0	11.0	8.5	7.8
HSM303020D1R0MBCA	1.00	14	20	8.0	7.3	6.5	6.0
HSM303020D1R5MBCA	1.50	19	25	7.0	6.5	6.3	5.8
HSM303020D2R2MBCA	2.20	37	45	6.0	5.5	4.7	4.3
HSM303020D3R3MBCA	3.30	52	63	5.9	5.4	4.5	4.0
HSM303020D4R7MBCA	4.70	60	73	4.8	4.0	4.2	3.8
HSM303020D6R8MBCA	6.80	107	135	4.5	3.8	3.2	3.0
HSM303020D100MBCA	10.00	135	160	3.8	3.3	2.5	2.2
HSM303020D150MBCA	15.00	235	260	2.6	2.2	1.8	1.5

HSM404010D SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM404010D100MBCA	10.00	220	280	2.2	2.0	2.5	2.0

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

HSM404012S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM404012SR47MBCA	0.47	11.5	14.0	12.0	11.5	9.0	8.5
HSM404012SR68MBCA	0.68	15.0	18.0	10.0	9.0	8.5	7.5
HSM404012S1R0MBCA	1.00	21.0	25.0	11.0	10.0	6.3	5.5
HSM404012S1R5MBCA	1.50	29.0	34.5	8.0	7.0	6.0	5.0
HSM404012S2R2MBCA	2.20	45.0	55.0	6.5	6.0	5.0	4.5
HSM404012S3R3MBCA	3.30	67.0	80.0	5.5	5.0	4.5	4.0
HSM404012S4R7MBCA	4.70	90.0	110.0	5.0	4.5	3.5	3.0
HSM404012S5R6MBCA	5.60	116.0	140.0	4.5	4.0	3.0	2.5
HSM404012S6R8MBCA	6.80	132.0	160.0	3.8	3.5	2.8	2.3
HSM404012S100MBCA	10.00	200.0	235.0	2.8	2.5	2.5	2.0

HSM404020S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM404020SR33MBCA	0.33	5.0	6.0	18.0	17.0	9.5	8.5
HSM404020SR47MGCA	0.47	7.0	8.5	16.0	15.0	8.5	8.0
HSM404020S1R0MGCA	1.00	12.0	14.5	12.5	11.5	6.5	6.0
HSM404020S1R5MGCA	1.50	18.0	22.0	10.5	9.5	6.0	5.5
HSM404020S2R2MGCA	2.20	30.0	36.0	9.5	8.5	5.5	5.0
HSM404020S3R3MGCA	3.30	35.0	40.0	8.0	7.0	6.3	5.8
HSM404020S4R7MGCA	4.70	47.0	58.0	6.3	5.5	5.0	4.0
HSM404020S6R8MGCA	6.80	90.0	105.0	5.4	4.5	3.7	3.2
HSM404020S100MGCA	10.00	113.0	135.0	4.9	4.0	3.4	3.0
HSM404020S150MGCA	15.00	210.0	250.0	3.5	3.0	2.3	1.7
HSM404020S220MGCA	22.00	275.0	330.0	2.9	2.3	1.8	1.3

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSM SERIES

HSM404030S SERIES

Part Number	L0(uH) @ (0A)1MHz/1V	DCR(mΩ)		Isat(A) Saturation Current		Irms(A) Heat Rating Current	
		Tpy.	Max.	Tpy.	Max.	Tpy.	Max.
HSM404030SR47MBCA	0.47	6	7	23.0	21.0	15.0	14.0
HSM404030SR68MBCA	0.68	8	10	17.0	15.0	9.5	8.0
HSM404030S1R0MGCA	1.00	10	12	15.5	14.0	10.0	9.0
HSM404030S1R5MGCA	1.50	15	18	12.5	11.0	6.5	6.0
HSM404030S2R2MGCA	2.20	19	22	10.5	9.5	9.0	8.5
HSM404030S3R3MGCA	3.30	30	35	8.5	7.5	5.3	4.8
HSM404030S4R7MGCA	4.70	41	46	7.0	6.0	4.3	4.0
HSM404030S6R8MBCA	6.80	51	62	6.3	5.1	4.2	3.8