

DATA SHEET

Product Name Mini Molding Power Inductors

Part Name HIM Series

DESIGNED	CHECKED	APPROVED

Henxinyuan Electronics(Wuxi) Electronics Co., Ltd.

NO.229, Yuanfeng Road, Xianglong Science Park, Kunshan, Jiangsu, China

Web www.mpchoke.com

Email jin@mpchoke.com

Manufacture Plant Henxinyuan Electronics(Wuxi) Electronics Co., Ltd.

Henfeiyuan (Xiame) Electronics Tech Co., Ltd.

Xushengxin (Sihong)Electronics Co., Ltd

1. Scope

Features

- 1.1 Metal material for large current and low loss.
- 1.2 High performance (Isat) realized by metal dust core.
- 1.3 Low loss realized with low Rdc.
- 1.4 Closed magnetic circuit design reduces leakage flux.
- 1.5 Vinyl thermal spray, better surface compactness.
- 1.6 Environmental requirements must comply with the QESP-44 document
- 1.7 100% lead (Pb) free meet RoHS2.0 and Halogen , Reach and other legal and regulatory requirements standard.

Application

- 2.1 DC/DC converters.
- 2.2 Pad, Smartphone.
- 2.3 Portable gaming devices, Smart wear, Wi-Fi module.
- 2.4 Notebooks, VR, AR.
- 2.5 LCD displays, HDDs, DVCs, DSCs, etc.
- 2.6 Baseband power supply, Amplifier, Power management, Module power supply, Camera power manageme.

2. Ordering Procedure

HIM 2016 10 S 1R0 M B C *
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

①Series Name: Mini Molding Power Inductors

②External Dimensions(L×W):2016=2.0*1.6 mm

③External Dimensions(H):10=1.0 mm

④Size Tolerance:S=±0.2mm D=±0.1mm

⑤Inductance value:1R0=1.0uH

⑥Tolerance:K=±10% M=±20% N=±30%

⑦Coating color:B=Black G=Gray

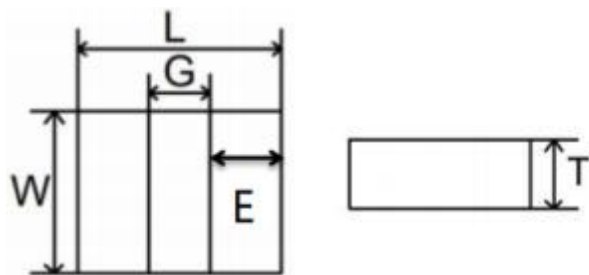
⑧Product type:C=Common

⑨Special define:A=Routine B~Z=Special

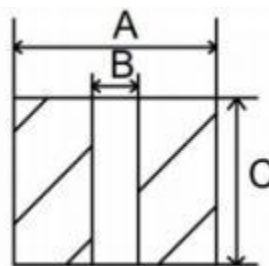
For special characteristics, please refer to the specific values in Item 5 "Specifications".

3. SHAPE AND DIMENSIONS

Outline Dimensions



Recommend Land Pattern Dimensions



Units:mm

Series	L	G	W	E	T	A	B	C
HIM100765D	1.0±0.1	0.4±0.2	0.7±0.1	0.30±0.2	0.65Max.	1.10	0.30	0.80
HIM121065S	1.2±0.2	0.4±0.2	1.0±0.2	0.40±0.2	0.65Max.	1.30	0.30	1.10
HIM160865D	1.6±0.1	0.6±0.2	0.8±0.1	0.50±0.2	0.65Max.	1.70	0.50	0.90
HIM160865S	1.6±0.2	0.6±0.2	0.8±0.2	0.50±0.2	0.65Max.	1.70	0.50	0.90
HIM160808S	1.6±0.2	0.6±0.2	0.8±0.2	0.50±0.2	0.80Max.	1.70	0.50	0.90
HIM141265S	1.4±0.2	0.5±0.2	1.2±0.2	0.45±0.2	0.65Max.	1.50	0.40	1.30
HIM141207S	1.4±0.2	0.5±0.2	1.2±0.2	0.45±0.2	0.70Max.	1.50	0.40	1.30
HIM141208S	1.4±0.2	0.5±0.2	1.2±0.2	0.45±0.2	0.80Max.	1.50	0.40	1.30
HIM201265S	2.0±0.2	0.6±0.2	1.2±0.2	0.70±0.2	0.65Max.	2.10	0.50	1.30
HIM201208S	2.0±0.2	0.6±0.2	1.2±0.2	0.70±0.2	0.80Max.	2.10	0.50	1.30
HIM201210S	2.0±0.2	0.6±0.2	1.2±0.2	0.70±0.2	1.00Max.	2.10	0.50	1.30
HIM201607S	2.0±0.2	0.6±0.2	1.6±0.2	0.70±0.2	0.70Max.	2.10	0.50	1.70
HIM201608S	2.0±0.2	0.6±0.2	1.6±0.2	0.70±0.2	0.80Max.	2.10	0.50	1.70
HIM201610S	2.0±0.2	0.6±0.2	1.6±0.2	0.70±0.2	1.00Max.	2.10	0.50	1.70
HIM201610D	2.0±0.1	0.6±0.2	1.6±0.1	0.70±0.2	1.00Max.	2.00	0.50	1.60
HIM201612S	2.0±0.2	0.6±0.2	1.6±0.2	0.70±0.2	1.20Max.	2.10	0.50	1.70
HIM252075S	2.5±0.2	0.8±0.2	2.0±0.2	0.85±0.2	0.75Max.	2.60	0.70	2.10
HIM252008S	2.5±0.2	0.8±0.2	2.0±0.2	0.85±0.2	0.80Max.	2.60	0.70	2.10
HIM252010S	2.5±0.2	0.8±0.2	2.0±0.2	0.85±0.2	1.00Max.	2.60	0.70	2.10
HIM252012S	2.5±0.2	0.8±0.2	2.0±0.2	0.85±0.2	1.20Max.	2.60	0.70	2.10
HIM322510S	3.2±0.2	1.0±0.2	2.5±0.2	1.05±0.2	1.00Max.	3.20	0.90	2.50
HIM322512S	3.2±0.2	1.0±0.2	2.5±0.2	1.05±0.2	1.20Max.	3.20	0.90	2.50
HIM322520S	3.2±0.2	1.0±0.2	2.5±0.2	1.05±0.2	2.00Max.	3.20	0.90	2.50
HIM303010D	3.0±0.1	0.9±0.2	3.0±0.1	1.00±0.2	1.00Max.	3.00	0.80	3.00
HIM303012D	3.0±0.1	0.9±0.2	3.0±0.1	1.00±0.2	1.20Max.	3.00	0.80	3.00
HIM303015D	3.0±0.1	0.9±0.2	3.0±0.1	1.00±0.2	1.50Max.	3.00	0.80	3.00
HIM303018D	3.0±0.1	0.9±0.2	3.0±0.1	1.00±0.2	1.80Max.	3.00	0.80	3.00

HIM303020D	3.0±0.1	0.9±0.2	3.0±0.1	1.00±0.2	2.00Max.	3.00	0.80	3.00
HIM404010S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	1.00Max.	4.10	1.10	4.10
HIM404012S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	1.20Max.	4.10	1.10	4.10
HIM404020S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	2.00Max.	4.10	1.10	4.10
HIM404030S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	3.00Max.	4.10	1.10	4.10

4. Marking

No Marking

5. Specifications

1>1007 Series

HIM100765(1.0*0.7*0.65mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM100765D1R5MBCA	1.5	400	500	0.4	0.3	1.1	0.9
HIM100765D2R6MGCA	2.6	750	900	0.55	0.4	1.0	0.8

2>1210 Series

HIM121065(1.2*1.0*0.65mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM121065S2R2MBCA	2.2	280	340	1.0	0.9	1.3	1.2

3>1608 Series

HIM160865(1.6*0.8*0.65mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM160865SR22MGCA	0.22	35	43	4.0	3.5	5.0	4.5
HIM160865SR47MGCA	0.47	66	82	2.3	2.0	3.3	3.0
HIM160865SR47MGCD	0.47	65	78	2.5	3.0	3.5	3.2
HIM160865S1R0MGCA	1.0	180	200	1.8	1.5	2.4	2.0
HIM160865S1R0MGCD	1.0	140	160	2.2	1.8	2.2	2.0
HIM160865S2R2MBCA	2.2	390	430	1.3	1.1	1.6	1.3

HIM160808(1.6*0.8*0.8mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM160808SR22MBCA	0.22	33	40	3.4	3.0	5.5	5.0
HIM160808SR24MBCA	0.24	34	41	3.3	2.9	5.3	4.8
HIM160808SR24MBCD	0.24	22	26	3.9	3.5	4.9	4.4
HIM160808SR47MBCA	0.47	80	100	2.6	2.3	4.1	3.7

HIM160808SR47MBCD	0.47	38	45	3.8	3.4	4.0	3.5
HIM160808SR56MBCA	0.56	85	110	2.2	1.9	4.0	3.5
HIM160808SR56MBCD	0.56	51	63	2.5	2.2	3.0	2.7
HIM160808SR68MBCA	0.68	110	130	2.1	1.9	3.3	3.0
HIM160808S1R0MBCA	1.0	180	200	2.1	1.8	3.0	2.6
HIM160808S1R0MGCD	1.0	105	115	2.1	1.8	2.3	2.1
HIM160808S1R5MBCA	1.5	240	285	1.7	1.4	2.4	2.0
HIM160808S2R2MGCA	2.2	220	260	1.4	1.2	1.5	1.3
HIM160808S3R3MBCA	3.3	500	600	1.0	0.9	1.4	1.2
HIM160808S4R7MBCA	4.7	585	700	1.0	0.8	1.2	1.0
HIM160808S100MBCA	10.0	1450	1600	0.5	0.45	0.8	0.7

4>1412 Series

HIM141265(1.4*1.2*0.65mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM141265SR33MBCA	0.33	26	32	4.4	4.2	4.4	4.0
HIM141265SR33MGCA	0.33	26	32	4.4	4.2	4.4	4.0
HIM141265SR47MBCA	0.47	37	45	3.0	2.7	3.4	3.0
HIM141265SR47MGCA	0.47	37	45	3.0	2.7	3.4	3.0
HIM141265SR47MGCB	0.47	35	38	2.9	2.6	3.9	3.6

HIM141207(1.4*1.2*0.7mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM141207SR24MBCA	0.24	22	28	4.0	3.6	4.6	4.3
HIM141207SR47MBCA	0.47	34	38	3.8	3.3	3.8	3.5

HIM141208(1.4*1.2*0.8mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM141208SR24MBCA	0.24	22	27	4.1	3.7	6.0	5.7
HIM141208SR24MBCD	0.24	21	24	6.6	6.0	7.2	6.5
HIM141208SR33MBCA	0.33	23	28	4.0	3.5	5.3	5.0
HIM141208SR33MGCA	0.33	23	28	4.0	3.5	5.3	5.0
HIM141208SR47MBCA	0.47	29	35	3.8	3.3	4.6	4.2
HIM141208SR47MGCA	0.47	29	35	3.8	3.3	4.6	4.2
HIM141208S1R0MBCA	1.0	65	77	3.0	2.5	3.0	2.5

5>2012 Series
HIM201265(2.0*1.2*0.65mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM201265S1R0MBCA	1.0	78	86	2.6	2.3	2.8	2.5
HIM201265S2R2MBCA	2.2	215	230	1.7	1.4	1.8	1.5

HIM201208(2.0*1.2*0.8mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM201208SR11MBCA	0.11	10	12	7.0	6.5	9.5	9.0
HIM201208SR15MBCA	0.15	11	13	6.8	6.3	7.5	7.0
HIM201208SR24MBCA	0.24	18	23	6.5	5.9	6.5	6.0
HIM201208SR24MGCA	0.24	18	23	6.5	5.9	6.5	6.0
HIM201208SR24MGCB	0.24	17	20	6.5	5.9	7.0	6.6
HIM201208SR33MBCA	0.33	33	45	4.3	4.0	5.2	4.8
HIM201208SR47MBCA	0.47	34	50	3.5	3.3	5.0	4.6
HIM201208SR47MGCA	0.47	34	50	3.5	3.3	5.0	4.6
HIM201208SR47MBCD	0.47	24	28	4.7	4.5	5.2	4.8
HIM201208SR68MBCA	0.68	50	60	3.7	3.3	4.2	3.7
HIM201208S1R0MBCA	1.0	55	70	3.3	2.9	4.0	3.5
HIM201208S1R0MBCD	1.0	48	55	3.2	2.8	3.2	2.8
HIM201208S1R0MGCD	1.0	48	55	3.2	2.8	3.2	2.8
HIM201208S1R5MBCA	1.5	118	135	2.2	1.9	3.0	2.5
HIM201208S2R2MBCA	2.2	160	185	2.2	1.8	2.6	2.3
PIM201208S2R2MBCB	2.2	130	156	1.8	1.6	2.2	2.0
HIM201208S3R3MBCA	3.3	253	300	1.8	1.5	1.9	1.6
HIM201208S4R7MBCA	4.7	285	325	1.7	1.5	1.6	1.4

HIM201210(2.0*1.2*1.0mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM201210SR10MBCA	0.1	8.0	13	7.5	7.0	8.5	8.0
HIM201210SR22MBCA	0.22	16	22	7.1	6.5	7.3	6.8
HIM201210SR24MBCA	0.24	17	23	7.0	6.4	7.2	6.7
HIM201210SR24MGCD	0.24	13	17	7.0	6.4	7.2	6.7
HIM201210SR33MBCA	0.33	24	32	5.5	5.0	6.5	6.0

HIM201210SR33MGCB	0.33	14	16	5.7	5.2	6.7	6.3
HIM201210SR47MBCA	0.47	29	36	4.7	4.3	5.5	5.0
HIM201210SR47MGCB	0.47	22	26	5.0	4.5	6.0	5.5
HIM201210SR68MBCA	0.68	37	43	4.3	4.0	5.0	4.5
HIM201210S1R0MBCA	1.0	55	63	3.9	3.5	4.0	3.5
HIM201210S1R5MBCA	1.5	76	85	3.1	2.6	3.2	2.7
HIM201210S2R2MBCA	2.2	135	150	2.0	1.7	2.7	2.4
HIM201210S3R3MBCA	3.3	210	260	1.8	1.5	2.2	1.8
HIM201210S4R7MBCA	4.7	275	300	1.6	1.4	1.8	1.6
HIM201210S6R8MBCA	6.8	440	520	1.5	1.3	1.45	1.2
HIM201210S100MBCA	10.0	600	660	1.1	1.0	1.2	1.0

HIM201212(2.0*1.2*1.2mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM201212SR11MBCA	0.11	5.5	6.2	12	11	12.0	11.0
HIM201212SR24MBCA	0.24	13	16	7.5	7.0	9.0	8.5
HIM201212SR47MBCA	0.47	20	23.5	6.0	5.5	5.5	5.0
HIM201212S3R3MBCA	3.3	180	210	1.8	1.6	2.0	1.8

6>2016 Series

HIM201655(2.0*1.6*0.55mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM201655SR33MBCA	0.33	34	41	4.0	3.5	4.0	3.5
HIM201655SR47MBCA	0.47	44	53	3.5	3.0	3.5	3.0

HIM201665(2.0*1.6*0.65mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM201665S1R0MBCA	1.0	58	70	3.5	3.0	3.0	2.7

HIM201607(2.0*1.6*0.70mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM201607S2R2MBCA	2.2	150	175	2.1	1.8	2.3	2.0

HIM201608(2.0*1.6*0.8mm)

P/N	L0(μH)	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current	
-----	--------	---------	--	--------------------------------	--	--------------------	--

	@ (0A) 1MHz					Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM201608SR22MBCA	0.22	14	19	6.6	5.9	6.1	5.6
HIM201608SR24MBCA	0.24	14	20	6.5	5.8	6.0	5.5
HIM201608SR33MBCA	0.33	18	24	5.5	4.8	5.8	5.3
HIM201608SR47MBCA	0.47	24	27	4.6	4.4	5.5	5.0
HIM201608SR47MGCA	0.47	24	27	4.6	4.4	5.5	5.0
HIM201608SR68MBCA	0.68	39	44	3.8	3.5	4.6	4.2
HIM201608S1R0MBCA	1.0	53	60	3.6	3.3	3.3	3.1
HIM201608S1R0MGCD	1.0	45	52	3.6	3.3	3.8	3.5
HIM201608S1R5MBCA	1.5	73	85	3.1	2.8	3.0	2.8
HIM201608S2R2MBCA	2.2	123	140	2.2	2.0	2.5	2.3
HIM201608S3R3MBCA	3.3	200	220	1.8	1.5	2.1	1.8
HIM201608S4R7MBCA	4.7	260	290	1.6	1.4	1.7	1.5
HIM201608S100MBCA	10.0	690	800	1.0	0.9	1.0	0.9

HIM201610(2.0*1.6*1.0mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM201610SR10MBCA	0.10	7.0	12	8.5	8.0	9.0	8.4
HIM201610SR11MBCA	0.11	7.5	13	8.0	7.5	8.9	8.2
HIM201610SR15MBCA	0.15	8.0	14	7.6	7.0	8.7	8.0
HIM201610SR22MBCA	0.22	11	18	6.9	6.3	8.2	7.5
HIM201610SR24MBCA	0.24	12	19	6.8	6.2	8.0	7.4
HIM201610SR24MBCD	0.24	11	14	6.8	6.2	8.0	7.4
HIM201610SR33MBCA	0.33	17	22	5.7	5.3	7.0	6.5
HIM201610SR33MGCA	0.33	17	22	5.7	5.3	7.0	6.5
HIM201610SR47MBCA	0.47	22	25	5.5	5.0	6.3	5.5
HIM201610SR47MBCB	0.47	22	25	5.8	5.6	6.5	6.0
HIM201610SR47MGCA	0.47	22	25	5.5	5.0	6.3	5.5
HIM201610SR47MGCD	0.47	19	23	6.0	5.6	6.2	5.6
HIM201610SR68MBCA	0.68	25	32	4.6	4.3	5.2	4.7
HIM201610SR68MBCB	0.68	25	32	5.5	5.2	5.7	5.5
HIM201610S1R0MBCA	1.0	35	43	4.5	4.1	4.6	4.2
HIM201610S1R0MGCA	1.0	35	43	4.5	4.1	4.6	4.2
HIM201610S1R0MBCD	1.0	31	36	4.6	4.2	4.7	4.2
HIM201610S1R0MGCD	1.0	31	36	4.6	4.2	4.7	4.2

HIM201610S1R5MBCA	1.5	80	100	2.6	2.3	3.2	2.9
HIM201610S2R2MBCA	2.2	120	130	2.5	2.1	3.0	2.8
HIM201610S2R2MGCA	2.2	120	130	2.5	2.1	3.0	2.8
HIM201610S2R2MGCD	2.2	105	115	2.5	2.1	3.0	2.8
HIM201610D2R2MBCA	2.2	115	125	2.5	2.2	3.3	3.0
HIM201610S3R3MBCA	3.3	140	170	1.7	1.5	2.3	2.0
HIM201610D4R7MBCA	4.7	250	276	1.6	1.4	1.9	1.7
HIM201610S4R7MBCA	4.7	190	220	1.6	1.4	2.0	1.8
HIM201610S4R7MGCA	4.7	190	220	1.6	1.4	2.0	1.8
HIM201610S100MBCA	10.0	483	580	1.0	0.7	1.4	1.1

HIM201612(2.0*1.6*1.2mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM201612SR10MBCA	0.10	4.0	6.0	12	10	13	11.5
HIM201612SR15MBCA	0.15	7.5	10	10	9.0	12	10.5
HIM201612SR24MBCA	0.24	9.0	11	9.1	8.6	9.2	8.7
HIM201612SR33MBCA	0.33	10	15	7.7	7.2	7.8	7.3
HIM201612SR47MBCAH	0.47	13	17	6.7	6.0	6.7	6.0
HIM201612SR68MBCA	0.68	19	23	6.0	5.3	6.0	5.3
HIM201612S1R0MBCA	1.0	30	36	5.0	4.5	5.0	4.5
HIM201612S1R5MBCA	1.5	40	50	4.0	3.5	4.0	3.5
HIM201612S2R2MBCA	2.2	77	90	3.3	2.9	3.1	2.7
HIM201612S3R3MBCA	3.3	135	165	2.4	2.0	2.7	2.3

7>2520 Series

HIM252075S(2.5*2.0*0.75mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM252075S2R2MGCA	2.2	78	90	2.3	2.0	2.6	2.4
HIM252075S100MGCA	10.0	487	530	1.1	0.9	1.1	0.9

HIM252008S(2.5*2.0*0.8mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM252008SR47MBCA	0.47	22	27	6.5	6.0	6.0	5.3
HIM252008S1R0MBCA	1.0	34	40	4.3	4.0	4.5	4.0
HIM252008S1R5MBCA	1.5	64	75	3.4	3.0	3.5	3.0

HIM252008S2R2MBCA	2.2	69	77	3.0	2.6	3.0	2.6
HIM252008S3R3MBCA	3.3	150	180	2.5	2.1	2.5	2.1
HIM252008S4R7MBCA	4.7	180	215	2.0	1.5	1.9	1.5
HIM252008S100MBCA	10	500	600	1.4	1.2	1.1	0.9

HIM252010S(2.5*2.0*1.0mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM252010SR22MBCA	0.22	12	17	6.8	6.5	8.6	7.9
HIM252010SR22MGCA	0.22	12	17	6.8	6.5	8.6	7.9
HIM252010SR24MBCA	0.24	12	17.5	6.7	6.4	8.5	7.8
HIM252010SR33MBCA	0.33	13	19	6.5	6.2	7.6	7.2
HIM252010SR33MGCA	0.33	13	19	6.5	6.2	7.6	7.2
HIM252010SR47MBCA	0.47	15	22	6.1	5.6	6.9	6.5
HIM252010SR47MGCA	0.47	15	22	6.1	5.6	6.9	6.5
HIM252010SR47MBCD	0.47	13	15	6.5	6.0	6.6	6.0
HIM252010SR68MBCA	0.68	23	27	5.6	5.0	5.9	5.5
HIM252010S1R0MBCA	1.0	25	30	4.5	4.1	5.3	4.8
HIM252010S1R0MGCA	1.0	25	30	4.5	4.1	5.3	4.8
HIM252010S1R5MBCA	1.5	45	55	3.4	3.0	4.3	3.9
HIM252010S1R5MGCA	1.5	45	55	3.4	3.0	4.3	3.9
HIM252010S2R2MBCA	2.2	62	70	2.4	2.1	3.3	3.0
HIM252010S2R2MGCA	2.2	62	70	2.4	2.1	3.3	3.0
HIM252010S2R2MBCB	2.2	62	70	2.6	2.3	3.7	3.3
HIM252010S2R2MBCD	2.2	62	70	4.0	3.2	3.4	3.1
HIM252010S3R3MBCA	3.3	86	100	2.5	2.1	2.8	2.5
HIM252010S3R3MGCA	3.3	86	100	2.5	2.1	2.8	2.5
HIM252010S4R7MBCA	4.7	160	180	2.0	1.6	2.6	2.0
HIM252010S4R7MGCA	4.7	160	180	2.0	1.6	2.6	2.0
HIM252010S4R7MBCD	4.7	145	160	2.0	1.6	2.6	2.0
HIM252010S6R8MBCA	6.8	270	320	1.6	1.4	2.4	1.9
HIM252010S100MBCA	10.0	500	560	1.05	0.95	1.55	1.4
HIM252010S100MGCA	10.0	500	560	1.05	0.95	1.55	1.4
HIM252010S220MGCA	22.0	1100	1300	0.85	0.6	1.1	0.9

HIM252012S(2.5*2.0*1.2mm)

P/N	L0(μH)	Rdc(mΩ)	Heat rating current Irms(A)	Saturation current Isat(A)
-----	--------	---------	--------------------------------	-------------------------------

	@(0A) 1MHz	Typical	Max	Typical	Max	Typical	Max
HIM252012SR10MBCA	0.1	6	10	12	10.5	13.5	12.5
HIM252012SR22MBCA	0.22	9	14	8.2	7.6	9.6	9.0
HIM252012SR24MBCA	0.24	10	15	8.0	7.5	9.3	8.8
HIM252012SR24MGCA	0.24	10	15	8.0	7.5	9.3	8.8
HIM252012SR33MBCA	0.33	11	17	6.8	6.4	8.3	7.8
HIM252012SR47MBCA	0.47	13	19	6.5	6.0	7.5	7.0
HIM252012SR47MBCD	0.47	11	13	8.0	7.5	8.5	8.0
HIM252012SR47MGCD	0.47	11	13	8.0	7.5	8.5	8.0
HIM252012SR68MBCA	0.68	17	23	6.3	5.5	6.5	6.0
HIM252012SR68MBCD	0.68	15	18	7.5	7.0	6.7	6.0
HIM252012SR82MBCA	0.82	19	24	5.8	5.3	6.5	5.8
HIM252012S1R0MBCA	1.0	35	42	4.0	3.6	5.6	5.0
HIM252012S1R0MBCD	1.0	16	22	5.2	4.5	6.5	6.0
HIM252012S1R0MGCD	1.0	16	22	5.2	4.5	6.5	6.0
HIM252012S1R0MBCF	1.0	30	36	5.5	5.0	5.6	5.0
HIM252012S1R2MBCA	1.2	40	45	3.8	3.4	4.5	4.1
HIM252012S1R5MBCA	1.5	44	50	3.7	3.2	4.5	4.1
HIM252012S1R5MBCD	1.5	27	32	4.6	4.2	4.7	4.4
HIM252012S1R5MGCA	1.5	44	50	3.7	3.2	4.5	4.1
HIM252012S2R2MBCA	2.2	55	65	3.0	2.7	3.8	3.3
HIM252012S2R2MGCA	2.2	55	65	3.0	2.7	3.8	3.3
HIM252012S3R3MBCA	3.3	80	97	2.3	1.8	3.0	2.7
HIM252012S4R7MBCA	4.7	150	170	1.8	1.5	2.4	2.1
HIM252012S4R7MGCA	4.7	150	170	1.8	1.5	2.4	2.1
HIM252012S6R8MBCA	6.8	245	270	1.6	1.4	2.0	1.7
HIM252012S100MBCA	10.0	330	400	1.2	1.05	1.6	1.45
HIM252012S100MGCA	10.0	330	400	1.2	1.05	1.6	1.45

8>3225 Series

HIM322510S(3.2*2.5*1.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM322510SR22MBCA	0.22	9	11	8.5	8.0	8.5	8.0
HIM322510SR33MBCA	0.33	11	15	8.3	7.8	8.3	7.8

HIM322510SR47MBCA	0.47	17	22	6.4	5.9	8.3	7.6
HIM322510SR68MBCA	0.68	22	28	6.2	5.7	7.5	7.0
HIM322510S1R0MBCA	1.0	25	30	5.4	4.9	6.0	5.3
HIM322510S1R5MBCA	1.5	34	42	4.0	3.6	5.0	4.4
HIM322510S2R2MBCA	2.2	55	66	3.7	3.4	4.0	3.5
HIM322510S3R3MBCA	3.3	105	120	2.7	2.3	3.7	3.3
HIM322510S4R7MBCA	4.7	125	140	2.3	1.9	2.8	2.5
HIM322510S6R8MBCA	6.8	290	320	1.9	1.6	2.4	2.0
HIM322510S100MBCA	10.0	325	365	2.2	1.8	2.2	1.8

HIM322512S(3.2*2.5*1.2mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM322512SR10MBCA	0.10	5.2	7.0	12.0	11.0	18.0	16.5
HIM322512SR22MBCA	0.22	6.6	10	9.2	8.7	11.5	11.0
HIM322512SR22MGCA	0.22	6.6	10	9.2	8.7	11.5	11.0
HIM322512SR24MBCA	0.24	7.0	12	9.0	8.5	11	10.5
HIM322512SR33MBCA	0.33	9.0	14	8.4	8.1	10	9.5
HIM322512SR47MBCA	0.47	14	19	7.5	7.2	8.6	8.2
HIM322512SR47MGCA	0.47	14	19	7.5	7.2	8.6	8.2
HIM322512SR47MBCD	0.47	11	14	7.5	7.2	8.6	8.2
HIM322512SR68MBCA	0.68	18	23	7.3	6.8	8.1	7.7
HIM322512SR68MBCD	0.68	12	15	7.0	6.5	8.0	7.5
HIM322512S1R0MBCA	1.0	26	30	5.3	4.8	6.6	5.8
IM322512S1R0MGCA	1.0	26	30	5.3	4.8	6.6	5.8
HIM322512S1R0MBCD	1.0	18	21	5.5	5.0	7.7	7.0
HIM322512S1R5MBCA	1.5	37	44	4.7	4.3	5.1	4.7
HIM322512S2R2MBCA	2.2	58	70	3.6	3.0	4.6	4.2
HIM322512S2R2MBCD	2.2	42	50	4.2	3.7	5.0	4.5
HIM322512S2R2MGCD	2.2	42	50	4.2	3.7	5.0	4.5
HIM322512S3R3MBCA	3.3	75	95	2.9	2.5	3.7	3.2
HIM322512S3R3MGCA	3.3	75	95	2.9	2.5	3.7	3.2
HIM322512S3R3MGCD	3.3	62	67	2.9	2.5	3.7	3.2
HIM322512S4R7MBCA	4.7	115	135	2.3	2.0	2.9	2.6
HIM322512S4R7MBCF	4.7	105	120	2.5	2.1	3.0	2.6
HIM322512S4R7MBCB	4.7	115	135	2.3	2.0	3.2	2.8
HIM322512S6R8MBCA	6.8	177	210	2.1	1.9	2.8	2.4

HIM322512S100MBCA	10.0	210	230	2.2	1.8	2.3	1.9
-------------------	------	-----	-----	-----	-----	-----	-----

HIM322520S(3.2*2.5*2.0mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM322520SR33MBCA	0.33	7.5	9	9.5	9	15.5	14
HIM322520SR47MBCA	0.47	9	10.5	9.5	8.5	15	13
HIM322520SR68MBCA	0.68	12.5	14.5	9.0	8.0	13	11
HIM322520S1R0MBCA	1.0	15	17.5	8.2	7.5	9.0	8.3
HIM322520S1R5MBCA	1.5	22	25	6.5	6.0	6.8	6.0
HIM322520S2R2MBCA	2.2	36	43	5.4	4.8	6.5	5.5
HIM322520S3R3MBCA	3.3	55	60	4.5	4.0	4.5	3.5
HIM322520S4R7MBCA	4.7	81	94	3.5	3.0	4.0	3.0
HIM322520S6R8MBCA	6.8	101	125	2.8	2.3	3.8	2.9

9>3030 Series

HIM303010(3.0*3.0*1.0mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM303010D6R8MBCA	6.8	225	270	2.1	1.8	1.8	1.5
HIM303010D100MBCA	10.0	320	360	2.0	1.7	1.6	1.3

HIM303012(3.0*3.0*1.2mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM303012D1R0MBCA	1.0	23	27	5.5	5.0	6.0	5.5
HIM303012D4R7MBCA	4.7	100	120	3.0	2.5	3.0	2.5
HIM303012D100MBCA	10.0	192	220	2.3	1.9	2.3	2.0
HIM303012D150MBCA	15.0	345	380	1.6	1.3	1.9	1.6

HIM303015(3.0*3.0*1.5mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM303015DR15MBCA	0.15	5.0	6.0	12.0	11.0	16.0	15.0
HIM303015DR47MBCA	0.47	9	11	9.0	8.0	10.0	9.0
HIM303015D1R0MBCA	1.0	18	22	6.0	5.5	7.0	6.5
HIM303015D2R2MBCA	2.2	42	50	4.5	4.0	5.0	4.5
HIM303015D4R7MBCA	4.7	87	104	3.5	3.0	4.0	3.5

HIM303015D6R8MBCA	6.8	160	180	2.5	2.0	3.5	3.0
HIM303015D100MBCA	10.0	185	215	2.0	1.5	2.8	2.5
HIM303015D220MBCA	22.0	580	700	1.2	1.0	1.6	1.2

HIM303018(3.0*3.0*1.8mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM303018DR22MBCA	0.22	5.5	7.0	10.0	9.0	17	16
HIM303018DR47MBCA	0.47	8	10	9.0	8.0	12	11
HIM303018D1R0MBCA	1.0	15	21	6.3	5.8	7.6	6.8
HIM303018D1R5MBCA	1.5	20	26	6.8	6.4	8.0	7.0
HIM303018D4R7MBCA	4.7	72	87	3.4	3.0	4.7	4.2

HIM303020(3.0*3.0*2.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM303020DR15MBCA	0.15	4.0	5.0	13.0	12.0	18.0	17.0
HIM303020DR33MBCA	0.33	7.5	9	10.0	9.0	17	15
HIM303020DR50MBCA	0.5	9.0	12	9.0	8.0	15	13
HIM303020DR68MBCA	0.68	13	16	8.5	7.8	13	11
HIM303020D1R0MBCA	1.0	14	20	6.5	6.0	8.0	7.3
HIM303020D1R5MBCA	1.5	19	25	6.3	5.8	7.0	6.5
HIM303020D2R2MBCA	2.2	37	45	4.7	4.3	6.0	5.5
HIM303020D3R3MBCA	3.3	52	63	4.5	4.0	5.9	5.4
HIM303020D4R7MBCA	4.7	60	73	4.2	3.8	4.8	4.0
HIM303020D6R8MBCA	6.8	107	135	3.2	3.0	4.5	3.8
HIM303020D100MBCA	10.0	135	160	2.5	2.2	3.8	3.3
HIM303020D150MBCA	15.0	235	260	1.8	1.5	2.6	2.2

10>4040 Series

HIM404010(4.0*4.0*1.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM404010S100MBCA	10	220	280	2.5	2.0	2.2	2.0

HIM404012(4.0*4.0*1.2mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max

HIM404012SR47MBCA	0.47	11.5	14	9.0	8.5	12	11.5
HIM404012SR68MBCA	0.68	15	18	8.5	7.5	10	9.0
HIM404012S1R0MBCA	1.0	21	25	6.3	5.5	11	10
HIM404012S1R5MBCA	1.5	29	34.5	6.0	5.0	8.0	7.0
HIM404012S2R2MBCA	2.2	45	55	5.0	4.5	6.5	6.0
HIM404012S3R3MBCA	3.3	67	80	4.5	4.0	5.5	5.0
HIM404012S4R7MBCA	4.7	90	110	3.5	3.0	5.0	4.5
HIM404012S5R6MBCA	5.6	116	140	3.0	2.5	4.5	4.0
HIM404012S6R8MBCA	6.8	132	160	2.8	2.3	3.8	3.5
HIM404012S100MBCA	10.0	200	235	2.5	2.0	2.8	2.5

HIM404020(4.0*4.0*2.0mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM404020SR33MBCA	0.33	5.0	6.0	9.5	8.5	18.0	17.0
HIM404020SR47MGCA	0.47	7.0	8.5	8.5	8.0	16.0	15.0
HIM404020S1R0MGCA	1.0	12	14.5	6.5	6.0	12.5	11.5
HIM404020S1R5MGCA	1.5	18	22	6.0	5.5	10.5	9.5
HIM404020S2R2MGCA	2.2	30	36	5.5	5.0	9.5	8.5
HIM404020S3R3MGCA	3.3	35	40	6.3	5.8	8.0	7.0
HIM404020S4R7MGCA	4.7	47	58	5.0	4.0	6.3	5.5
HIM404020S6R8MGCA	6.8	90	105	3.7	3.2	5.4	4.5
HIM404020S100MGCA	10	113	135	3.4	3.0	4.9	4.0
HIM404020S150MGCA	15	210	250	2.3	1.7	3.5	3.0
HIM404020S220MGCA	22	275	330	1.8	1.3	2.9	2.3

HIM404030(4.0*4.0*3.0mm)

P/N	L0(μH) @ (0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
HIM404030SR47MBCA	0.47	5.5	7.0	15	14	23	21
HIM404030SR68MBCA	0.68	8.3	10	9.5	8.0	17	15
HIM404030S1R0MGCA	1.0	10	12	10	9.0	15.5	14
HIM404030S1R5MGCA	1.5	15	18	6.5	6.0	12.5	11
HIM404030S2R2MGCA	2.2	19	22	9.0	8.5	10.5	9.5
HIM404030S3R3MGCA	3.3	30	35	5.3	4.8	8.5	7.5
HIM404030S4R7MGCA	4.7	41	46	4.3	4.0	7.0	6.0
HIM404030S6R8MBCA	6.8	51	62	4.2	3.8	6.3	5.1

Test remarks

Note 1.: All test data is referenced to 25 °C

ambient. Note 2.: Test Condition: 1MHz, 1.0Vrms.

Note 3.: Irms: DC current (A) that will cause an approximate ΔT of 40 °C.

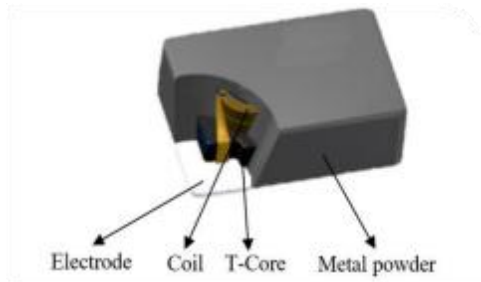
Note 4.: Isat: DC current (A) that will cause L0 to drop approximately

30%. Note 5.: Operating Temperature Range -55°C to + 125°C.

Note 6.: The part temperature (ambient + temp rise) should not exceed 125 under °C the worst case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.

Note 7.: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

6. Structure



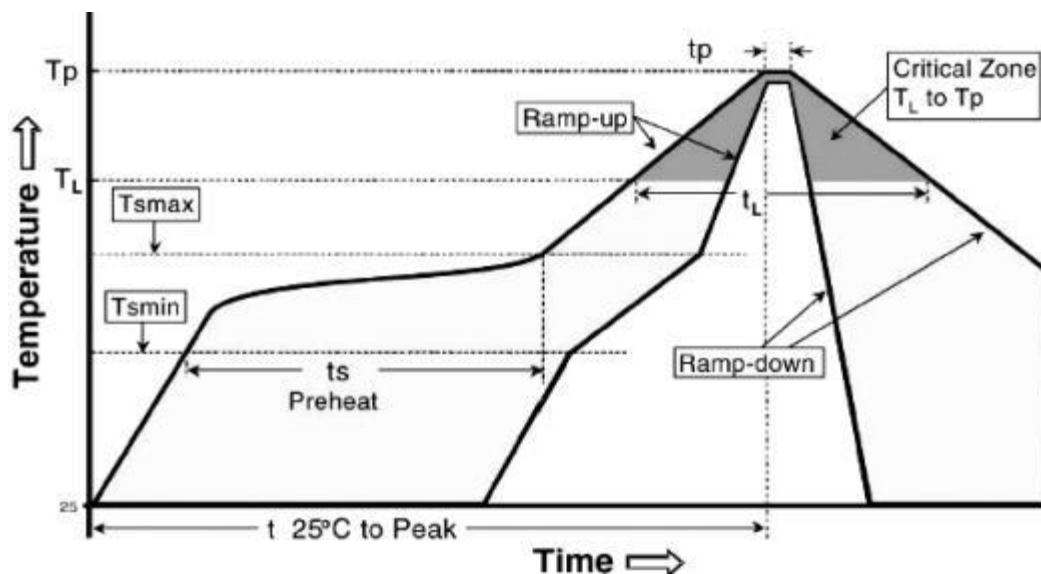
7. Reliability

Item	Requirements	Test Methods and Remarks								
Insulation Resistance	$\geq 100\text{M}\Omega$	100 VDC between inductor coil and The middle of the top surface of the body for 60 seconds.								
Solderability	90% or more of electrode area shall be coated by new solde.	Dip pads in flux . Solder Composition: Sn/Ag3.0/Cu0.5(Pb-Free). Solder Temperature: $245 \pm 5^{\circ}\text{C}$. Immersion Time: (5 ± 1) s.								
Resistance to Soldering Heat	No visible mechanical damage. Inductance change: Within $\pm 10\%$.	Dip pads in flux. Solder Composition: Sn/Ag3.0/Cu0.5(Pb-Free). Solder Temperature: $260 \pm 5^{\circ}\text{C}$. Immersion Time: 10 ± 1 sec.								
Adhesion of teral electrode	Strong bond between the pad and the core, without come off PCB.	Inductors shall be subjected to $(260 \pm 5)^{\circ}\text{C}$ for (20 ± 5) s Soldering in the base whit 0.3mm solder. And then aplombelectrode way plus tax X N for (10 ± 1) seconds. <table><tr><td>series</td><td>"X" N</td></tr><tr><td>1008</td><td>6</td></tr><tr><td>1210~1608</td><td>8</td></tr><tr><td>2012</td><td>12</td></tr></table>	series	"X" N	1008	6	1210~1608	8	2012	12
series	"X" N									
1008	6									
1210~1608	8									
2012	12									
High temperature	No case deformation or change in appearance. Inductance change: Within $\pm 10\%$	Temperature: $125 \pm 2^{\circ}\text{C}$. Time : 1000 hours. Measurement at 24 ± 4 hours after test conclusion.								
Low temperature	No visible mechanical damage. Inductance change: Within $\pm 10\%$	Temperature: $-55 \pm 2^{\circ}\text{C}$. Time : 1000 hours. Measurement at 24 ± 4 hours after test conclusion.								
Thermal shock	No visible mechanical damage. Inductance change: Within $\pm 10\%$	The test sample shall be placed at $(-55 \pm 3)^{\circ}\text{C}$ and $(125 \pm 3)^{\circ}\text{C}$ for (30 ± 3) , different temperature conversion time is 2~3 utes. The temperature cycle shall be repeated 32 cycles. Placed at room temperature for 2 hours, within 48 ± 4 hours of testing.								
Temperature characteristic	Inductance change Pc-b,Pc-d: Within $\pm 10\%$	a: $+20^{\circ}\text{C}$ (30~45) → b: -40°C (30~45) → c: $+20^{\circ}\text{C}$ (30~45) → d: $+125^{\circ}\text{C}$ (30~45) → e: $+20^{\circ}\text{C}$ (30~45) $P_{c-b} = \frac{L_b - L_c}{L_c} \times 100\%$; $P_{c-d} = \frac{L_d - L_c}{L_c} \times 100\%$								
Static Humidity	No visible mechanical damage. Inductance change: Within $\pm 10\%$	Inductors shall be subjected to $(95 \pm 3)\% \text{RH}$. at $(60 \pm 2)^{\circ}\text{C}$ for (1000 ± 4) h. Placed at room temperature for 2 hours, within 48 hours of testing.								
Life	No visible mechanical damage. Inductance change: Within $\pm 10\%$	Inductors shall be store at $(85 \pm 2)^{\circ}\text{C}$ for (1000 ± 4) hours with Irms applied. Placed at room temperature for 2 hours, within 48 hours of testing								

8. Soldering Condition

(This is for recommendation, please customer perform adjustment according to actual application)

Recommend Reflow Soldering Profile : (solder : Sn96.5 / Ag3 / Cu0.5)



Profile Feature	Lead (Pb)-Free solder
Preheat:	
Temperature Min (T _{min})	150°C
Temperature Max (T _{max})	200°C
Time (T _{min} to T _{max}) (ts)	60 -120 seconds
Average ramp-up rate: (T _s max to T _p)	3°C / second max.
Time maintained above :	
Temperature (T _L)	217°C
Time (t _L)	60-150 seconds
Peak Temperature (T _p)	260°C
Time within $\begin{matrix} +0^{\circ}\text{C} \\ -5^{\circ}\text{C} \end{matrix}$ of actual peak Temperature (tp) ²	10 seconds
Ramp-down Rate	6°C/second max.
Time 25°C to Peak Temperature	8minutes max.

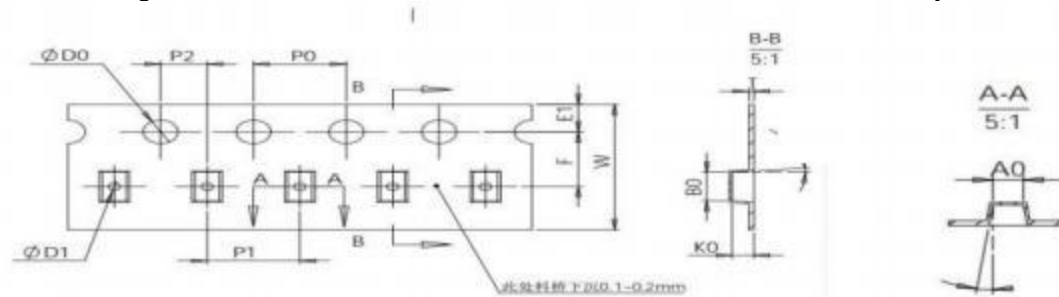
Allowed Re-flow times : 2 times

Remark : To avoid discoloration phenomena of chip on terminal electrodes, please use N₂ Re-flow furnace .

9. Packing

9.1 Dimension of plastic taping: (Unit: mm)

The following dimensions are related to the actual fit of the machine , for reference only.



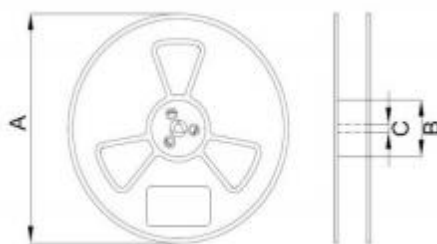
Series	W	A0	B0	D0	D1	E	F	K0	P0	P2	P1	T	包装数量
公差	/	/	/	+0.1/-0	± 0.20	± 0.10	± 0.10	/	± 0.10	± 0.10	± 0.10	± 0.05	
100765	8.0 ± 0.10	0.90 ± 0.05	1.25 ± 0.05	1.5	0.6	1.75	3.5	0.80 ± 0.10	4.0	2.0	4.0	0.22	5K
121065	8.0 ± 0.10	1.30 ± 0.05	1.50 ± 0.05	1.5	0.7	1.75	3.5	0.80 ± 0.10	4.0	2.0	4.0	0.22	3K
160865	8.0 ± 0.10	1.00 ± 0.05	1.82 ± 0.05	1.5	0.6	1.75	3.5	0.80 ± 0.10	4.0	2.0	4.0	0.22	
160808	8.0 ± 0.10	1.04 ± 0.05	1.82 ± 0.05	1.5	0.6	1.75	3.5	0.95 ± 0.05	4.0	2.0	4.0	0.22	
141265	8.0 ± 0.10	$1.50 \pm 0.10 / -0.05$	$1.70 \pm 0.10 / -0.05$	1.5	0.6	1.75	3.5	0.80 ± 0.10	4.0	2.0	4.0	0.22	
141207/141208	8.0 ± 0.10	$1.50 \pm 0.10 / -0.05$	$1.70 \pm 0.10 / -0.05$	1.5	0.6	1.75	3.5	0.95 ± 0.10	4.0	2.0	4.0	0.22	
201265	8.0 ± 0.10	$1.40 \pm 0.10 / -0.05$	$2.25 \pm 0.10 / -0.05$	1.5	1.0	1.75	3.5	0.80 ± 0.10	4.0	2.0	4.0	0.25	
201208	8.0 ± 0.10	1.50 ± 0.10	2.30 ± 0.10	1.5	1.0	1.75	3.5	1.00 ± 0.10	4.0	2.0	4.0	0.22	
201210	8.0 ± 0.10	1.50 ± 0.10	2.35 ± 0.10	1.5	1.0	1.75	3.5	1.20 ± 0.10	4.0	2.0	4.0	0.22	
201665	8.0 ± 0.10	1.95 ± 0.10	2.45 ± 0.10	1.5	1.0	1.75	3.5	0.80 ± 0.10	4.0	2.0	4.0	0.25	
201608	8.0 ± 0.10	1.90 ± 0.10	2.35 ± 0.10	1.5	1.0	1.75	3.5	1.00 ± 0.10	4.0	2.0	4.0	0.25	
201610	8.0 ± 0.10	1.95 ± 0.10	2.35 ± 0.10	1.5	1.0	1.75	3.5	1.15 ± 0.10	4.0	2.0	4.0	0.25	
201612	8.0 ± 0.10	1.90 ± 0.10	2.30 ± 0.10	1.5	1.0	1.75	3.5	1.35 ± 0.10	4.0	2.0	4.0	0.25	
252075/252008	8.0 ± 0.10	$2.35 \pm 0.10 / -0.05$	$2.80 \pm 0.10 / -0.05$	1.5	1.0	1.75	3.5	1.00 ± 0.10	4.0	2.0	4.0	0.23	
252010	8.0 ± 0.10	2.45 ± 0.10	2.80 ± 0.10	1.5	1.0	1.75	3.5	1.20 ± 0.10	4.0	2.0	4.0	0.25	
252012	8.0 ± 0.10	$2.35 \pm 0.10 / -0.05$	$2.80 \pm 0.10 / -0.05$	1.5	1.0	1.75	3.5	1.35 ± 0.10	4.0	2.0	4.0	0.23	
322510	8.0 ± 0.10	$2.80 \pm 0.10 / -0.05$	$3.50 \pm 0.10 / -0.05$	1.5	1.0	1.75	3.5	1.15 ± 0.10	4.0	2.0	4.0	0.25	
322512	8.0 ± 0.10	$2.90 \pm 0.10 / -0.05$	$3.50 \pm 0.10 / -0.05$	1.5	1.0	1.75	3.5	1.35 ± 0.10	4.0	2.0	4.0	0.25	

Series	W	A0	B0	D0	D1	E	F	K0	
公差	/	/	/	+0.1/-0	±0.20	±0.10	±0.10	/	
322520	8.0±0.10	2.90+0.10/-0.05	3.50+0.10/-0.05	1.5	1.0	1.75	3.5	2.20±0.10	
303010/303012	12.0±0.30	3.40±0.10	3.40±0.10	1.5	1.5	1.75	5.5	1.40±0.10	
303015	12.0±0.30	3.40±0.10	3.40±0.10	1.5	1.5	1.75	5.5	1.70±0.10	
303018	12.0±0.30	3.25±0.10	3.25±0.10	1.5	1.5	1.75	5.5	2.00±0.10	
303020	12.0±0.30	3.40±0.10	3.45±0.10	1.5	1.5	1.75	5.5	2.20±0.10	
404012	12.0±0.30	4.40±0.10	4.40±0.10	1.5	1.5	1.75	5.5	1.30±0.10	
404020	12.0±0.30	4.40±0.10	4.40±0.10	1.5	1.5	1.75	5.5	2.20±0.10	
404030	12.0±0.30	4.40±0.10	4.40±0.10	1.5	1.5	1.75	5.5	3.10±0.10	

9.2 Dimension of Reel : (Unit: mm)

Type	A ±2.0	B ±2.0	C ±2.0
All	178	60	9.0

Type	A ±2.0	B ±2.0	C ±2.0
All	330	100	13.0



10. Note

10.1 Henxinyuani recommend products store in warehouse with temperature between 15 to 35°C under humidity between 25 to 75%RH.

Even under storage conditions recommended above, solder ability of products will be degraded stored over 1 year old.

10.2 Cartons must be placed in correct direction which indicated on carton, otherwise the reel or wire will be deformed.

10.3 Storage conditions as below are inappropriate:

- Stored in high electrostatic environment
- Stored in direct sunshine, rain, snow or condensation.
- Exposed to sea wind or corrosive gases, such as Cl₂, H₂S, NH₃, SO₂, NO₂, etc.

10.4 The products are used in circuit board thickness greater than 1.6mm. If customers use less than the thickness of the circuit board that you should confirm with the company, in order to recommend a more suitable product.