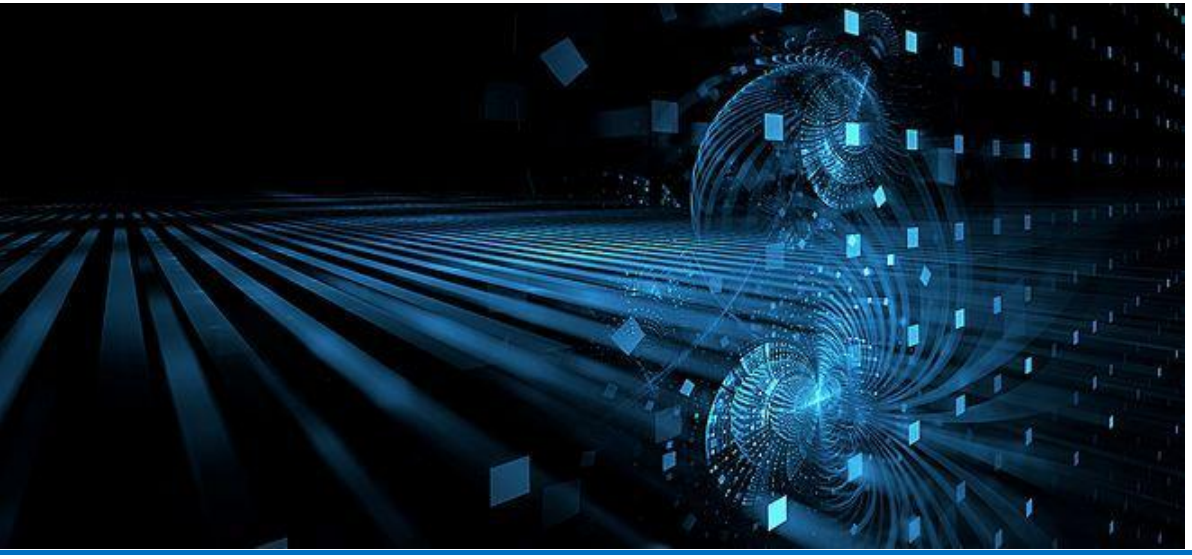

DATA SHEET

Product Name **Mini Molding Power Inductors**

Part Name PIM Series

Huacui PIM Micro Inductance Electronics(Jiangsu) Co., Ltd.

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Toyou Micro Electronics(Sichuan) Co., Ltd

目　录

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1. Featurs

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.

2. Application

2.1 DC/DC converters.
2.2 Pad,Smart phone.
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.
2.7 Automotive electronic equipment

3. Ordering Procedure

PIM（U）	2016	10	S	1R0	M	B	C	*
①	②	③	④	⑤	⑥	⑦	⑧	⑨

①Series Name: Mini Molding Power Inductors,(U= TU-core Series)

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 V=Vehicle

⑨Special define:A=Routine B~Z=Special

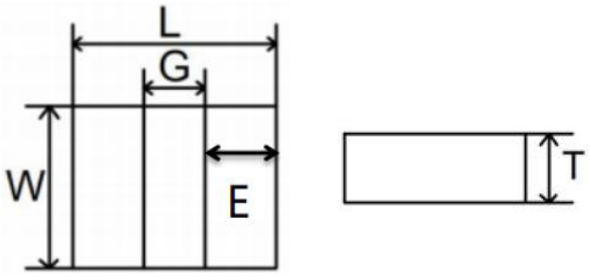
For special characteristics, please refer to the specific values in Item 5 "Specifications".

4.Product Category

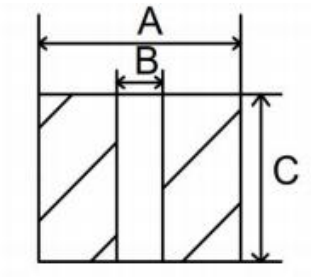
T-core PIM Integrated Inductor (Commercial use)

①. SHAPE AND DIMENSIONS

Outline Dimensions



Recommend Land Pattern Dimensions



Series	L	G/Typ	W	E	T	A/Typ	B/Typ	C/Typ
PIM100505S	1.0±0.15	0.4	0.5±0.15	0.30±0.2	0.50Max.	1.20	0.30	0.60
PIM100506S	1.0±0.15	0.4	0.5±0.15	0.30±0.2	0.60Max.	1.20	0.30	0.60
PIM100565S	1.0±0.15	0.4	0.5±0.15	0.30±0.2	0.65Max.	1.20	0.30	0.60
PIM100765D	1.0±0.1	0.4	0.7±0.1	0.30±0.2	0.65Max.	1.10	0.30	0.80
PIM100708D	1.0±0.1	0.4	0.7±0.1	0.30±0.2	0.80Max.	1.10	0.30	0.80
PIM121065S	1.2±0.2	0.4	1.0±0.2	0.40±0.2	0.65Max.	1.30	0.30	1.10
PIM160806S	1.6±0.2	0.6	0.8±0.2	0.50±0.2	0.60Max.	1.70	0.50	0.90
PIM160865S	1.6±0.2	0.6	0.8±0.2	0.50±0.2	0.65Max.	1.70	0.50	0.90
PIM160808S	1.6±0.2	0.6	0.8±0.2	0.50±0.2	0.80Max.	1.70	0.50	0.90
PIM141265S	1.4±0.2	0.5	1.2±0.2	0.45±0.2	0.65Max.	1.50	0.40	1.30
PIM141207S	1.4±0.2	0.5	1.2±0.2	0.45±0.2	0.70Max.	1.50	0.40	1.30
PIM141208S	1.4±0.2	0.5	1.2±0.2	0.45±0.2	0.80Max.	1.50	0.40	1.30
PIM201206S	2.0±0.2	0.6	1.2±0.2	0.70±0.2	0.60Max.	2.10	0.50	1.30
PIM201265S	2.0±0.2	0.6	1.2±0.2	0.70±0.2	0.65Max.	2.10	0.50	1.30
PIM201208S	2.0±0.2	0.6	1.2±0.2	0.70±0.2	0.80Max.	2.10	0.50	1.30
PIM201210S	2.0±0.2	0.6	1.2±0.2	0.70±0.2	1.00Max.	2.10	0.50	1.30
PIM201212S	2.0±0.2	0.6	1.2±0.2	0.70±0.2	1.20Max.	2.10	0.50	1.30
PIM201655S	2.0±0.2	0.6	1.6±0.2	0.70±0.2	0.55Max.	2.10	0.50	1.70
PIM201665S	2.0±0.2	0.6	1.6±0.2	0.70±0.2	0.65Max.	2.10	0.50	1.70
PIM201607S	2.0±0.2	0.6	1.6±0.2	0.70±0.2	0.70Max.	2.10	0.50	1.70
PIM201608S	2.0±0.2	0.6	1.6±0.2	0.70±0.2	0.80Max.	2.10	0.50	1.70
PIM201610S	2.0±0.2	0.6	1.6±0.2	0.70±0.2	1.00Max.	2.10	0.50	1.70
PIM201610D	2.0±0.1	0.6	1.6±0.1	0.70±0.2	1.00Max.	2.10	0.50	1.70
PIM201612S	2.0±0.2	0.6	1.6±0.2	0.70±0.2	1.20Max.	2.10	0.50	1.70
PIM252055S	2.5±0.2	0.8	2.0±0.2	0.85±0.2	0.55Max.	2.60	0.70	2.10
PIM252075S	2.5±0.2	0.8	2.0±0.2	0.85±0.2	0.75Max.	2.60	0.70	2.10

PIM252008S	2.5±0.2	0.8	2.0±0.2	0.85±0.2	0.80Max.	2.60	0.70	2.10
PIM252010S	2.5±0.2	0.8	2.0±0.2	0.85±0.2	1.00Max.	2.60	0.70	2.10
PIM252012S	2.5±0.2	0.8	2.0±0.2	0.85±0.2	1.20Max.	2.60	0.70	2.10
PIM322510S	3.2±0.2	1.1	2.5±0.2	1.05±0.2	1.00Max.	3.20	1.00	2.50
PIM322512S	3.2±0.2	1.1	2.5±0.2	1.05±0.2	1.20Max.	3.20	1.00	2.50
PIM322520S	3.2±0.2	1.1	2.5±0.2	1.05±0.2	2.00Max.	3.20	1.00	2.50
PIM303010D	3.0±0.1	1.0	3.0±0.1	1.00±0.2	1.00Max.	3.00	0.90	3.00
PIM303012D	3.0±0.1	1.0	3.0±0.1	1.00±0.2	1.20Max.	3.00	0.90	3.00
PIM303015D	3.0±0.1	1.0	3.0±0.1	1.00±0.2	1.50Max.	3.00	0.90	3.00
PIM303018D	3.0±0.1	1.0	3.0±0.1	1.00±0.2	1.80Max.	3.00	0.90	3.00
PIM303020D	3.0±0.1	1.0	3.0±0.1	1.00±0.2	2.00Max.	3.00	0.90	3.00
PIM404008S	4.1±0.2	1.4	4.1±0.2	1.35±0.2	0.80Max.	4.10	1.30	4.10
PIM404010S	4.1±0.2	1.4	4.1±0.2	1.35±0.2	1.00Max.	4.10	1.30	4.10
PIM404012S	4.1±0.2	1.4	4.1±0.2	1.35±0.2	1.20Max.	4.10	1.30	4.10
PIM404015S	4.1±0.2	1.4	4.1±0.2	1.35±0.2	1.50Max.	4.10	1.30	4.10
PIM404020S	4.1±0.2	1.4	4.1±0.2	1.35±0.2	2.00Max.	4.10	1.30	4.10
PIM404030S	4.1±0.2	1.4	4.1±0.2	1.35±0.2	3.00Max.	4.10	1.30	4.10

Units:mm

②.Product characteristic description

Note 1.: All test data is referenced to 25 ℃ ambient.
Note 2.: Test Condition:1MHz, 1.0Vrms.
Note 3.: Irms:DC current (A) that will cause an approximate △T of 40 ℃.
Note 4.: Isat:DC current (A) that will cause L0 to drop approximately 30%.
Note 5.: Operating Temperature Range -55℃ to + 125℃.
Note 6.: The part temperature (ambient + temp rise) should not exceed 125 under ℃ 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.

③. Specifications

1>1005 Series

PIM100505(1.0*0.5*0.5mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM100505SR47MBCA	0.47	190	220	1.3	1.2	1.5	1.3

PIM100506(1.0*0.5*0.6mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM100506S1R0MBCA	1.0	280	320	1.0	0.8	1.15	1.05
PIM100506S1R0MBCD	1.0	270	300	1.0	0.8	1.15	1.05

PIM100565(1.0*0.5*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
PIM100565SR47MBCA	0.47	150	175	1.7	1.6	1.85	1.75

2>1007 Series

PIM100765(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
PIM100765D1R5MBCA	1.5	400	500	0.4	0.3	1.1	0.9
PIM100765D2R6MGCA	2.6	750	900	0.55	0.4	1.0	0.8

PIM100708(1.0*0.7*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
PIM100708D2R2MBCA	2.2	425	480	1.0	0.9	1.15	1.05

3>1210 Series

PIM121065(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
PIM121065S2R2MBCA	2.2	280	340	1.0	0.9	1.3	1.2

4>1608 Series

PIM160806(1.6*0.8*0.60mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM160806SR10MGCA	0.10	16.5	20	6.5	6.0	6.5	6.0

PIM160865(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
PIM160865SR22MGCA	0.22	35	43	4.0	3.5	5.0	4.5
PIM160865SR47MGCA	0.47	66	82	2.3	2.0	3.3	3.0
PIM160865SR47MGCD	0.47	65	78	3.0	2.5	3.5	3.2
PIM160865S1R0MGCA	1.0	180	200	1.8	1.5	2.4	2.0
PIM160865S1R0MGCD	1.0	140	160	2.2	1.8	2.2	2.0
PIM160865S2R2MBCA	2.2	390	430	1.3	1.1	1.6	1.3

PIM160808(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
PIM160808SR18MBCA	0.18	17	21	5.8	5.2	6.0	5.5

PIM160808SR22MBCA	0.22	33	40	3.4	3.0	5.5	5.0
PIM160808SR24MBCA	0.24	34	41	3.3	2.9	5.3	4.8
PIM160808SR24MBCD	0.24	22	26	3.9	3.5	4.9	4.4
PIM160808SR24MBCB	0.24	20	24	5.5	5.0	5.3	4.8
PIM160808SR33MBCA	0.33	30	35	4.7	4.3	4.7	4.4
PIM160808SR47MBCA	0.47	80	100	2.6	2.3	4.1	3.7
PIM160808SR47MBCD	0.47	36	43	4.2	4.0	4.0	3.5
PIM160808SR56MBCA	0.56	85	110	2.2	1.9	4.0	3.5
PIM160808SR56MBCD	0.56	51	63	2.5	2.2	3.0	2.7
PIM160808SR68MBCA	0.68	110	130	2.1	1.9	3.3	3.0
PIM160808S1R0MBCA	1.0	180	200	2.1	1.8	3.0	2.6
PIM160808S1R0MGCD	1.0	105	115	2.1	1.8	2.3	2.1
PIM160808S1R0MGCB	1.0	105	115	2.1	1.8	2.5	2.2
PIM160808S1R5MBCA	1.5	240	285	1.7	1.4	2.4	2.0
PIM160808S2R2MGCA	2.2	220	260	1.4	1.2	1.5	1.3
PIM160808S3R3MBCA	3.3	500	600	1.0	0.9	1.4	1.2
PIM160808S4R7MBCA	4.7	585	700	1.0	0.8	1.2	1.0
PIM160808S100MBCA	10.0	1450	1600	0.5	0.45	0.8	0.7

5>1412 Series

PIM141265(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
PIM141265SR10MBCA	0.10	13.5	16.5	6.5	6.0	7.0	6.5
PIM141265SR15MBCA	0.15	16	19.5	5.9	5.4	6.0	5.5
PIM141265SR24MBCA	0.24	23	27	6.5	6.0	5.5	5.0
PIM141265SR33MBCA	0.33	26	32	4.4	4.2	4.4	4.0
PIM141265SR33MGCA	0.33	26	32	4.4	4.2	4.4	4.0
PIM141265SR47MBCA	0.47	37	45	3.0	2.7	3.4	3.0
PIM141265SR47MGCA	0.47	37	45	3.0	2.7	3.4	3.0
PIM141265SR47MGCB	0.47	35	38	3.5	3.2	4.0	3.6

PIM141207(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
PIM141207SR24MBCA	0.24	22	28	4.0	3.6	4.6	4.3
PIM141207SR47MBCA	0.47	34	38	3.8	3.3	3.8	3.5

PIM141208(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
PIM141208SR10MBCA	0.10	11.5	14.0	8.0	7.5	8.5	8.0
PIM141208SR24MBCA	0.24	22	27	4.1	3.7	6.0	5.7
PIM141208SR24MBCD	0.24	21	24	6.6	6.0	7.2	6.5
PIM141208SR33MBCA	0.33	23	28	4.0	3.5	5.3	5.0
PIM141208SR33MGCA	0.33	23	28	4.0	3.5	5.3	5.0
PIM141208SR47MBCA	0.47	29	35	3.8	3.3	4.6	4.2
PIM141208SR47MGCA	0.47	29	35	3.8	3.3	4.6	4.2
PIM141208SR47MBCD	0.47	29	32	3.8	3.3	4.6	4.2
PIM141208S1R0MBCA	1.0	65	77	3.0	2.5	3.0	2.5
PIM141208S2R2MBCA	2.2	200	225	2.0	1.8	1.9	1.7

6>2012 Series

PIM201206(2.0*1.2*0.60mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM201206SR11MGCA	0.11	12.5	15.0	7.5	7.0	5.2	4.8

PIM201265(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
PIM201265SR15MBCA	0.15	12	14	6.0	5.5	6.5	6.0
PIM201265SR24MBCA	0.24	17	20	4.8	4.5	5.1	4.8
PIM201265SR33MBCA	0.33	30	35	4.3	4.0	4.6	4.3
PIM201265SR47MBCA	0.47	37	44	3.8	3.5	4.1	3.8
PIM201265SR68MBCA	0.68	50	60	3.3	3.0	3.5	3.2
PIM201265S1R0MBCA	1.0	78	86	2.6	2.3	2.8	2.5
PIM201265S2R2MBCA	2.2	215	230	1.7	1.4	1.8	1.5
PIM201265S2R2MBCD	2.2	175	210	1.4	1.3	1.4	1.3
PIM201265S2R2MBCF	2.2	175	200	1.8	1.5	1.9	1.6
PIM201265S4R7MBCA	4.7	470	530	1.1	0.9	1.2	1.0

PIM201208(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
PIM201208SR11MBCA	0.11	10	12	7.0	6.5	9.5	9.0

PIM201208SR15MBCA	0.15	11	13	6.8	6.3	7.5	7.0
PIM201208SR24MBCA	0.24	18	23	6.5	5.9	6.5	6.0
PIM201208SR24MGCA	0.24	18	23	6.5	5.9	6.5	6.0
PIM201208SR24MGCB	0.24	17	20	6.5	5.9	7.0	6.6
PIM201208SR24MBCF	0.24	16	18	7.0	6.5	7.2	7.0
PIM201208SR33MBCA	0.33	33	45	4.3	4.0	5.2	4.8
PIM201208SR33MBCD	0.33	20	24	5.8	5.2	6.0	5.4
PIM201208SR47MBCA	0.47	34	50	3.5	3.3	5.0	4.6
PIM201208SR47MGCA	0.47	34	50	3.5	3.3	5.0	4.6
PIM201208SR47MBCD	0.47	24	28	4.7	4.5	5.2	4.8
PIM201208SR68MBCA	0.68	50	60	3.7	3.3	4.2	3.7
PIM201208S1R0MBCA	1.0	55	70	3.3	2.9	4.0	3.5
PIM201208S1R0MBCD	1.0	48	55	3.2	2.8	3.2	2.8
PIM201208S1R0MGCD	1.0	48	55	3.2	2.8	3.2	2.8
PIM201208S1R5MBCA	1.5	118	135	2.2	1.9	3.0	2.5
PIM201208S2R2MBCA	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
PIM201208S3R3MBCA	3.3	253	300	1.8	1.5	1.9	1.6
PIM201208S4R7MBCA	4.7	285	325	1.7	1.5	1.6	1.4
PIM201208S6R8MBCA	6.8	460	530	1.1	1.0	1.3	1.1

PIM201210(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
PIM201210SR10MBCA	0.1	8.0	13	7.5	7.0	8.5	8.0
PIM201210SR11MBCA	0.11	7.0	8.5	10.0	9.5	14.1	12.0
PIM201210SR22MBCA	0.22	16	22	7.1	6.5	7.3	6.8
PIM201210SR24MBCA	0.24	17	23	7.0	6.4	7.2	6.7
PIM201210SR24MGCD	0.24	13	17	7.0	6.4	7.2	6.7
PIM201210SR24MGCB	0.24	11.5	14	9.0	8.0	7.3	6.7
PIM201210SR33MBCA	0.33	24	32	5.5	5.0	6.5	6.0
PIM201210SR33MGCB	0.33	14	16	5.7	5.2	6.7	6.3
PIM201210SR47MBCA	0.47	29	36	4.7	4.3	5.5	5.0
PIM201210SR47MGCB	0.47	22	26	5.0	4.5	6.0	5.5
PIM201210SR47MBCD	0.47	18	20	7.0	6.5	6.0	5.5
PIM201210SR56MBCA	0.56	26	31	5.3	4.7	5.2	4.8
PIM201210SR68MBCA	0.68	37	43	4.3	4.0	5.0	4.5

PIM201210S1R0MBCA	1.0	55	63	3.9	3.5	4.0	3.5
PIM201210S1R0MBCD	1.0	50	55	4.0	3.5	4.0	3.5
PIM201210S1R0MBCB	1.0	50	55	4.0	3.5	4.0	3.6
PIM201210S1R5MBCA	1.5	76	85	3.1	2.6	3.2	2.7
PIM201210S2R2MBCA	2.2	135	150	2.0	1.7	2.7	2.4
PIM201210S2R2MBCD	2.2	125	145	2.2	2.0	2.7	2.4
PIM201210S3R3MBCA	3.3	210	260	1.8	1.5	2.2	1.8
PIM201210S4R7MBCA	4.7	275	300	1.6	1.4	1.8	1.6
PIM201210S6R8MBCA	6.8	440	520	1.5	1.3	1.45	1.2
PIM201210S100MBCA	10.0	600	660	1.1	1.0	1.2	1.0

PIM201212(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
PIM201212SR11MBCA	0.11	5.5	6.2	12	11	12.0	11.0
PIM201212SR11MBCD	0.11	5.0	5.8	12	11	12.0	11.0
PIM201212SR24MBCA	0.24	13	16	7.5	7.0	9.0	8.5
PIM201212SR24MBCD	0.24	13	15	7.7	7.2	9.0	8.5
PIM201212SR33MBCA	0.33	17	20.5	6.3	5.8	6.5	6.0
PIM201212SR47MBCA	0.47	20	23.5	6.0	5.5	5.5	5.0
PIM201212SR47MBCD	0.47	20	22	6.2	5.7	5.5	5.0
PIM201212S1R0MBCA	1.0	40	48	3.9	3.5	4.0	3.6
PIM201212S3R3MBCA	3.3	180	210	1.8	1.6	2.0	1.8

7>2016 Series
PIM201655(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
PIM201655SR33MBCA	0.33	34	41	4.0	3.5	4.0	3.5
PIM201655SR47MBCA	0.47	44	53	3.5	3.0	3.5	3.0

PIM201665(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
PIM201665SR47MBCA	0.47	33	40	5.0	4.5	4.4	4.0
PIM201665SR68MBCA	0.68	42	50	4.0	3.5	3.4	3.1
PIM201665S1R0MBCA	1.0	58	70	3.5	3.0	3.0	2.7
PIM201665S2R2MBCA	2.2	145	170	2.8	2.6	2.2	2.0

PIM201607(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
PIM201607S2R2MBCA	2.2	150	175	2.1	1.8	2.3	2.0

PIM201608(2.0*1.6*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
PIM201608SR22MBCA	0.22	14	19	6.6	5.9	6.1	5.6
PIM201608SR24MBCA	0.24	14	20	6.5	5.8	6.0	5.5
PIM201608SR33MBCA	0.33	18	24	5.5	4.8	5.8	5.3
PIM201608SR47MBCA	0.47	24	27	5.5	5.2	5.5	5.0
PIM201608SR47MGCA	0.47	24	27	5.5	5.2	5.5	5.0
PIM201608SR68MBCA	0.68	39	44	3.8	3.5	4.6	4.2
PIM201608S1R0MBCA	1.0	53	60	3.6	3.3	3.3	3.1
PIM201608S1R0MGCD	1.0	45	52	3.6	3.3	3.8	3.5
PIM201608S1R5MBCA	1.5	73	85	3.1	2.8	3.0	2.8
PIM201608D2R2MBCA	2.2	150	180	2.3	2.1	2.4	2.2
PIM201608S2R2MBCA	2.2	123	140	2.2	2.0	2.5	2.3
PIM201608S3R3MBCA	3.3	200	220	1.8	1.5	2.1	1.8
PIM201608S4R7MBCA	4.7	260	290	1.6	1.4	1.7	1.5
PIM201608D4R7MBCA	4.7	270	325	1.4	1.2	1.5	1.3
PIM201608S6R8MBCA	6.8	360	405	1.4	1.2	1.4	1.3
PIM201608D100MBCA	10.0	800	900	1.0	0.9	0.9	0.8
PIM201608S100MBCA	10.0	690	800	1.0	0.9	1.0	0.9

PIM201610(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
PIM201610SR10MBCA	0.10	7.0	12	8.5	8.0	9.0	8.4
PIM201610SR11MBCA	0.11	7.5	13	8.0	7.5	8.9	8.2
PIM201610SR15MBCA	0.15	8.0	14	7.6	7.0	8.7	8.0
PIM201610SR22MBCA	0.22	11	18	6.9	6.3	8.2	7.5
PIM201610SR22MBCD	0.22	11	13	6.9	6.3	8.2	7.5
PIM201610SR24MBCA	0.24	12	19	6.8	6.2	8.0	7.4
PIM201610SR24MBCD	0.24	11	14	6.8	6.2	8.0	7.4
PIM201610SR24MBCF	0.24	7.5	9.0	8.0	7.5	7.5	7.0
PIM201610SR33MBCA	0.33	17	22	5.7	5.3	7.0	6.5

PIM201610SR33MGCA	0.33	17	22	5.7	5.3	7.0	6.5
PIM201610SR33MBCB	0.33	11	13	6.7	6.2	6.5	6.0
PIM201610SR33MBCF	0.33	17	22	5.7	5.3	7.5	7.0
PIM201610SR47MBCA	0.47	22	25	5.5	5.0	6.3	5.5
PIM201610SR47MBCB	0.47	22	25	5.8	5.6	6.5	6.0
PIM201610SR47MGCA	0.47	22	25	5.5	5.0	6.3	5.5
PIM201610SR47MGCD	0.47	18	22	6.0	5.6	6.2	5.6
PIM201610SR47MBCF	0.47	19	23	6.5	6.0	7.0	6.5
PIM201610SR47MBCE	0.47	14	17	6.5	6.0	5.5	5.0
PIM201610SR56MBCA	0.56	19	23	7.5	7.0	5.5	5.0
PIM201610SR68MBCA	0.68	25	32	4.6	4.3	5.2	4.7
PIM201610SR68MBCB	0.68	25	32	5.5	5.2	5.7	5.5
PIM201610S1R0MBCA	1.0	35	43	4.5	4.1	4.6	4.2
PIM201610S1R0MGCA	1.0	35	43	4.5	4.1	4.6	4.2
PIM201610S1R0MBCD	1.0	31	36	4.6	4.2	4.7	4.2
PIM201610S1R0MGCD	1.0	31	36	4.6	4.2	4.7	4.2
PIM201610S1R0MBCB	1.0	42	46	4.0	3.4	4.9	4.6
PIM201610S1R5MBCA	1.5	80	100	2.6	2.3	3.2	2.9
PIM201610S1R5MBCD	1.5	60	70	4.0	3.5	3.3	3.0
PIM201610S2R2MBCA	2.2	120	130	2.5	2.1	3.0	2.8
PIM201610S2R2MGCA	2.2	120	130	2.5	2.1	3.0	2.8
PIM201610S2R2MGCD	2.2	105	115	2.5	2.1	3.0	2.8
PIM201610S2R2MBCB	2.2	72	81	3.3	3.0	3.0	2.8
PIM201610D2R2MBCA	2.2	115	125	2.5	2.2	3.3	3.0
PIM201610S3R3MBCA	3.3	140	170	1.7	1.5	2.3	2.0
PIM201610D4R7MBCA	4.7	250	276	1.6	1.4	1.9	1.7
PIM201610S4R7MBCA	4.7	190	220	1.6	1.4	2.0	1.8
PIM201610S4R7MGCA	4.7	190	220	1.6	1.4	2.0	1.8
PIM201610S6R8MBCA	6.8	320	350	1.7	1.5	1.7	1.5
PIM201610S100MBCA	10.0	483	580	1.0	0.7	1.4	1.1
PIM201610S150MBCA	15.0	800	960	0.9	0.6	1.1	0.9

PIM201612(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
PIM201612SR10MBCA	0.10	4.0	6.0	12	10	13	11.5
PIM201612SR11MBCA	0.11	4.8	5.6	15.5	14.5	12.5	11.0

PIM201612SR11MBCB	0.11	6.3	7.5	13.0	12.0	15.0	14.0
PIM201612SR15MBCA	0.15	7.5	10	10	9.0	12	10.5
PIM201612SR22MBCA	0.22	8.5	10.5	9.3	8.8	9.7	9.2
PIM201612SR24MBCA	0.24	9.0	11	9.1	8.6	9.2	8.7
PIM201612SR24MBCB	0.24	10	12.5	11.0	10.0	10.5	10.0
PIM201612SR33MBCA	0.33	10	15	7.7	7.2	7.8	7.3
PIM201612SR47MBCA	0.47	13	17	6.7	6.0	6.7	6.0
PIM201612SR68MBCA	0.68	19	23	6.0	5.3	6.0	5.3
PIM201612S1R0MBCA	1.0	30	36	5.0	4.5	5.0	4.5
PIM201612S1R5MBCA	1.5	40	50	4.0	3.5	4.0	3.5
PIM201612S2R2MBCA	2.2	77	90	3.3	2.9	3.1	2.7
PIM201612S3R3MBCA	3.3	135	165	2.4	2.0	2.7	2.3
PIM201612S3R3MBCD	3.3	115	130	2.6	2.2	2.7	2.3
PIM201612S4R7MBCA	4.7	160	185	2.0	1.8	2.2	2.0
PIM201612S6R8MBCA	6.8	255	300	1.8	1.7	1.9	1.7

8>2520 Series

PIM252055S(2.5*2.0*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
PIM252055SR22MBCA	0.22	23	28	6.5	6.0	4.8	4.5
PIM252055SR47MBCA	0.47	42	49	5.5	5.2	3.5	3.2

PIM252075S(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
PIM252075S2R2MGCA	2.2	78	90	2.3	2.0	2.6	2.4
PIM252075S100MGCA	10.0	487	530	1.1	0.9	1.1	0.9

PIM252008S(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
PIM252008SR47MBCA	0.47	22	27	6.5	6.0	6.0	5.3
PIM252008SR68MBCA	0.68	27	32	4.9	4.4	5.0	4.5
PIM252008S1R0MBCA	1.0	34	40	4.3	4.0	4.5	4.0
PIM252008S1R5MBCA	1.5	64	75	3.4	3.0	3.5	3.0
PIM252008S2R2MBCA	2.2	69	77	3.0	2.6	3.0	2.6
PIM252008S3R3MBCA	3.3	150	180	2.5	2.1	2.5	2.1

PIM252008S4R7MBCA	4.7	180	215	2.0	1.5	1.9	1.5
PIM252008S100MBCA	10	500	600	1.4	1.2	1.1	0.9
PIM252008S100MBCD	10	490	540	1.4	1.3	1.3	1.1

PIM252010S(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
PIM252010SR10MBCA	0.10	6.5	8.5	12.0	11.0	13.5	12.5
PIM252010SR15MBCA	0.15	7.0	9.0	9.5	8.5	10.5	9.5
PIM252010SR22MBCA	0.22	12	17	6.8	6.5	8.6	7.9
PIM252010SR22MGCA	0.22	12	17	6.8	6.5	8.6	7.9
PIM252010SR24MBCA	0.24	12	17.5	6.7	6.4	8.5	7.8
PIM252010SR24MBCD	0.24	8.5	10	8.5	7.5	9.0	8.0
PIM252010SR33MBCA	0.33	13	19	6.5	6.2	7.6	7.2
PIM252010SR33MGCA	0.33	13	19	6.5	6.2	7.6	7.2
PIM252010SR47MBCA	0.47	15	22	6.1	5.6	7.2	6.5
PIM252010SR47MGCA	0.47	15	22	6.1	5.6	7.2	6.5
PIM252010SR47MBCD	0.47	13	15	6.5	6.0	6.6	6.0
PIM252010SR68MBCA	0.68	23	27	5.6	5.0	5.9	5.5
PIM252010SR82MBCA	0.82	25	29	4.5	4.1	5.3	4.8
PIM252010S1R0MBCA	1.0	25	30	4.7	4.1	5.4	4.8
PIM252010S1R0MGCA	1.0	25	30	4.7	4.1	5.4	4.8
PIM252010S1R0MBCD	1.0	25	28	4.9	4.4	5.0	4.5
PIM252010S1R5MBCA	1.5	45	55	3.4	3.0	4.3	3.9
PIM252010S1R5MGCA	1.5	45	55	3.4	3.0	4.3	3.9
PIM252010S1R8MBCA	1.8	50	60	4.0	3.5	4.0	3.5
PIM252010S2R2MBCA	2.2	62	70	2.4	2.1	3.3	3.0
PIM252010S2R2MGCA	2.2	62	70	2.4	2.1	3.3	3.0
PIM252010S2R2MBCB	2.2	62	70	2.6	2.3	3.7	3.3
PIM252010S2R2MBCD	2.2	62	70	4.0	3.2	3.4	3.1
PIM252010S3R3MBCA	3.3	86	100	2.5	2.1	2.8	2.5
PIM252010S3R3MGCA	3.3	86	100	2.5	2.1	2.8	2.5
PIM252010S4R7MBCA	4.7	160	180	2.0	1.6	2.6	2.0
PIM252010S4R7MGCA	4.7	160	180	2.0	1.6	2.6	2.0
PIM252010S4R7MBCD	4.7	145	160	2.0	1.6	2.6	2.0
PIM252010S4R7MBCB	4.7	120	130	3.0	2.8	2.2	2.0
PIM252010S6R8MBCA	6.8	270	320	1.6	1.4	2.4	1.9

PIM252010S100MBCA	10.0	500	560	1.05	0.95	1.55	1.4
PIM252010S100MGCA	10.0	500	560	1.05	0.95	1.55	1.4
PIM252010S220MGCA	22.0	1100	1300	0.85	0.6	1.1	0.9

PIM252012S(2.5*2.0*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
PIM252012SR10MBCA	0.10	6.0	10	12	10.5	13.5	12.5
PIM252012SR10MBCD	0.10	4.0	4.8	16.0	15.0	15.0	14.0
PIM252012SR11MBCA	0.11	4.2	5.0	15.0	14.0	14.0	13.0
PIM252012SR15MBCA	0.15	7.0	11	11.5	10	13.0	12.0
PIM252012SR22MBCA	0.22	9.0	14	8.2	7.6	9.6	9.0
PIM252012SR22MBCD	0.22	8.0	10	11	8.0	12	10
PIM252012SR24MBCA	0.24	10	15	8.0	7.5	9.3	8.8
PIM252012SR24MGCA	0.24	10	15	8.0	7.5	9.3	8.8
PIM252012SR24MBCD	0.24	6.5	8.5	9.5	9.0	10.0	9.5
PIM252012SR33MBCA	0.33	11	17	6.8	6.4	8.3	7.8
PIM252012SR33MBCD	0.33	10	12	9.0	8.5	9.0	8.5
PIM252012SR33MBCF	0.33	7.5	9.5	9.0	8.5	9.0	8.5
PIM252012SR47MBCA	0.47	13	19	6.5	6.0	7.5	7.0
PIM252012SR47MBCD	0.47	11	13	8.0	7.5	8.5	8.0
PIM252012SR47MGCD	0.47	11	13	8.0	7.5	8.5	8.0
PIM252012SR68MBCA	0.68	17	23	6.3	5.5	6.5	6.0
PIM252012SR68MBCD	0.68	15	18	7.5	7.0	6.7	6.0
PIM252012SR82MBCA	0.82	19	24	5.8	5.3	6.5	5.8
PIM252012SR82MBCD	0.82	19	23	6.3	5.8	6.5	5.8
PIM252012S1R0MBCA	1.0	35	42	5.3	4.8	5.6	5.0
PIM252012S1R0MBCD	1.0	16	22	6.1	5.6	6.5	6.0
PIM252012S1R0MGCD	1.0	16	22	6.1	5.6	6.5	6.0
PIM252012S1R0MBCF	1.0	30	36	5.5	5.0	5.6	5.0
PIM252012S1R2MBCA	1.2	40	45	3.8	3.4	4.5	4.1
PIM252012S1R2MBCD	1.2	29	35	5.7	5.2	5.3	4.8
PIM252012S1R5MBCA	1.5	44	50	3.7	3.2	4.5	4.1
PIM252012S1R5MBCB	1.5	46	53	4.6	4.2	5.2	4.7
PIM252012S1R5MGCA	1.5	44	50	3.7	3.2	4.5	4.1
PIM252012S1R5MBCF	1.5	31	35	4.5	4.1	4.5	4.2

PIM252012S1R5MBCD	1.5	27	32	4.6	4.2	4.7	4.4
PIM252012S2R2MBCA	2.2	55	65	3.0	2.7	3.8	3.3
PIM252012S2R2MBCD	2.2	52	60	3.9	3.5	4.1	3.7
PIM252012S2R2MGCA	2.2	55	65	3.0	2.7	3.8	3.3
PIM252012S3R3MBCA	3.3	80	97	2.8	2.5	3.0	2.7
PIM252012S4R7MBCA	4.7	150	170	2.2	1.9	2.4	2.1
PIM252012S4R7MGCA	4.7	150	170	2.2	1.9	2.4	2.1
PIM252012S4R7MBCB	4.7	150	170	2.4	2.2	2.7	2.5
PIM252012S6R8MBCA	6.8	245	270	1.8	1.6	2.0	1.7
PIM252012S6R8MBCB	6.8	245	270	2.1	2.0	2.2	2.1
PIM252012S100MBCA	10.0	330	400	1.2	1.05	1.6	1.45
PIM252012S100MGCA	10.0	330	400	1.2	1.05	1.6	1.45
PIM252012S150MBCA	15.0	500	565	1.4	1.3	1.4	1.3
PIM252012S220MBCA	22.0	740	800	1.2	1.1	1.1	1.0

9>3225 Series

PIM322510S(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
PIM322510SR22MBCA	0.22	9.0	11	8.5	8.0	8.5	8.0
PIM322510SR33MBCA	0.33	11	15	8.3	7.8	8.3	7.8
PIM322510SR47MBCA	0.47	17	22	6.4	5.9	8.3	7.6
PIM322510SR68MBCA	0.68	22	28	6.2	5.7	7.5	7.0
PIM322510S1R0MBCA	1.0	25	30	5.4	4.9	6.0	5.3
PIM322510S1R0MBCD	1.0	21	25	5.5	5.0	5.6	5.1
PIM322510S1R5MBCA	1.5	34	42	4.0	3.6	5.0	4.4
PIM322510S2R2MBCA	2.2	55	66	3.7	3.4	4.0	3.5
PIM322510S3R3MBCA	3.3	105	120	2.7	2.3	3.7	3.3
PIM322510S4R7MBCA	4.7	125	140	2.3	1.9	2.8	2.5
PIM322510S6R8MBCA	6.8	290	320	1.9	1.6	2.4	2.0
PIM322510S100MBCA	10.0	325	365	2.2	1.8	2.2	1.8

PIM322512S(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
PIM322512SR10MBCA	0.10	5.2	7.0	12.0	11.0	18.0	16.5
PIM322512SR11MBCA	0.11	4.5	6.0	13.0	12.0	17.0	15.5

PIM322512SR11MBCB	0.11	5.5	7.0	12.0	11.0	18.5	18.0
PIM322512SR22MBCA	0.22	6.6	10	9.2	8.7	11.5	11.0
PIM322512SR22MGCA	0.22	6.6	10	9..2	8.7	11.5	11.0
PIM322512SR22MBCD	0.22	6.2	8.0	11.0	10.0	12.0	11.0
PIM322512SR24MBCA	0.24	7.0	12	9.0	8.5	11	10.5
PIM322512SR33MBCA	0.33	9.0	14	8.4	8.1	10	9.5
PIM322512SR47MBCA	0.47	14	19	7.5	7.2	8.6	8.2
PIM322512SR47MGCA	0.47	14	19	7.5	7.2	8.6	8.2
PIM322512SR47MBCD	0.47	11	14	7.5	7.2	8.6	8.2
PIM322512SR47MBCB	0.47	10	11	8.5	8.0	8.5	8.0
PIM322512SR56MBCA	0.56	15	19	8.0	7.5	8.4	8.0
PIM322512SR68MBCA	0.68	18	23	7.3	6.8	8.1	7.7
PIM322512SR68MBCD	0.68	12	15	7.0	6.5	8.0	7.5
PIM322512S1R0MBCA	1.0	26	30	5.3	4.8	6.6	5.8
PIM322512S1R0MGCA	1.0	26	30	5.3	4.8	6.6	5.8
PIM322512S1R0MBCD	1.0	18	21	6.5	6.0	7.7	7.0
PIM322512S1R0MBCB	1.0	26	32	6.0	5.5	8.3	8.0
PIM322512S1R2MBCA	1.2	26	32	5.7	5.2	5.9	5.4
PIM322512S1R5MBCA	1.5	37	44	4.7	4.3	5.1	4.7
PIM322512S2R2MBCA	2.2	58	70	3.6	3.0	4.6	4.2
PIM322512S2R2MBCD	2.2	42	50	4.2	3.7	5.0	4.5
PIM322512S2R2MGCD	2.2	42	50	4.2	3.7	5.0	4.5
PIM322512S3R3MBCA	3.3	75	95	2.9	2.5	3.7	3.2
PIM322512S3R3MGCA	3.3	75	95	2.9	2.5	3.7	3.2
PIM322512S3R3MGCD	3.3	62	67	2.9	2.5	3.7	3.2
PIM322512S4R7MBCA	4.7	115	135	3.0	2.8	2.9	2.6
PIM322512S4R7MBCF	4.7	105	120	3.0	2.8	3.0	2.6
PIM322512S4R7MBCB	4.7	115	135	3.0	2.8	3.2	2.8
PIM322512S4R7MBCD	4.7	105	115	3.0	2.6	3.0	2.7
PIM322512S6R8MBCA	6.8	177	210	2.1	1.9	2.8	2.4
PIM322512S100MBCA	10.0	210	230	2.2	1.8	2.3	1.9

PIM322520S(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
PIM322520S70NMBCA	0.07	2.5	3.2	22	20	25.0	24.0
PIM322520SR27MBCA	0.27	5.5	6.5	16	15	16	15

PIM322520SR33MBCA	0.33	7.5	9.0	9.5	9.0	15.5	14
PIM322520SR47MBCA	0.47	9.0	10.5	9.5	8.5	15	13
PIM322520SR68MBCA	0.68	12.5	14.5	9.0	8.0	13	11
PIM322520S1R0MBCA	1.0	15	17.5	8.2	7.5	9.0	8.3
PIM322520S1R0MBCB	1.0	15	17.5	8.5	8.0	10.5	10.0
PIM322520S1R5MBCA	1.5	22	25	6.5	6.0	6.8	6.0
PIM322520S2R2MBCA	2.2	36	43	5.4	4.8	6.5	5.5
PIM322520S2R2MBCD	2.2	33	40	5.4	4.8	6.5	5.5
PIM322520S3R3MBCA	3.3	55	60	4.5	4.0	4.5	3.5
PIM322520S4R7MBCA	4.7	81	94	3.5	3.0	4.0	3.0
PIM322520S6R8MBCA	6.8	101	125	2.8	2.3	3.8	2.9
PIM322520S150MBCA	15.0	220	260	2.0	1.8	2.2	2.0
PIM322520S220MBCA	22.0	315	364	1.8	1.5	2.0	1.7

10>3030 Series

PIM303010(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
PIM303010D1R0MBCA	1.0	30	35	7.0	6.5	5.3	4.8
PIM303010D1R0MBCD	1.0	25	30	7.0	6.5	6.0	5.6
PIM303010D2R2MBCA	2.2	55	66	5.0	4.5	4.0	3.5
PIM303010D3R3MBCA	3.3	86	102	3.4	3.0	3.1	2.8
PIM303010D4R7MBCA	4.7	120	140	3.2	2.8	2.7	2.3
PIM303010D6R8MBCA	6.8	225	270	2.1	1.8	1.8	1.5
PIM303010D100MBCA	10.0	320	360	2.0	1.7	1.6	1.3
PIM303010D100MBCD	10.0	250	275	2.2	2.0	1.8	1.5

PIM303012(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
PIM303012DR10MBCA	0.10	5.0	6.0	18.0	17.0	20.0	18.0
PIM303012DR33MBCA	0.33	8.5	10.5	10.0	9.0	11.0	10.0
PIM303012DR47MBCA	0.47	9.0	11	11.0	10.0	8.5	8.0
PIM303012DR68MBCA	0.68	14.0	16	7.5	7.0	7.0	6.5
PIM303012D1R0MBCA	1.0	23	27	5.5	5.0	6.0	5.5
PIM303012D1R5MBCA	1.5	29	34	6.0	5.5	5.5	5.0
PIM303012D2R2MBCA	2.2	42	50	4.8	4.3	5.0	4.5
PIM303012D2R2MBCB	2.2	63	75	4.0	3.6	6.1	5.6

PIM303012D4R7MBCA	4.7	100	120	3.0	2.5	3.0	2.5
PIM303012D100MBCA	10.0	192	220	2.3	1.9	2.3	2.0
PIM303012D150MBCA	15.0	345	380	1.6	1.3	1.9	1.6

PIM303015(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
PIM303015DR15MBCA	0.15	5.0	6.0	12.0	11.0	16.0	15.0
PIM303015DR20MBCA	0.20	4.8	5.9	13.0	12.0	16.0	15.0
PIM303015DR33MBCA	0.33	6.5	8.5	14.0	13.0	12.0	11.0
PIM303015DR47MBCA	0.47	9.0	11	9.0	8.0	10.0	9.0
PIM303015D1R0MBCA	1.0	18	22	6.0	5.5	7.0	6.5
PIM303015D1R5MBCA	1.5	22	26	8.0	7.5	6.0	5.5
PIM303015D2R2MBCA	2.2	42	50	4.5	4.0	5.0	4.5
PIM303015D4R7MBCA	4.7	87	104	3.5	3.0	4.0	3.5
PIM303015D6R8MBCA	6.8	160	180	2.5	2.0	3.5	3.0
PIM303015D100MBCA	10.0	185	215	2.0	1.5	2.8	2.5
PIM303015D220MBCA	22.0	580	700	1.2	1.0	1.6	1.2

PIM303018(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
PIM303018DR22MBCA	0.22	5.5	7.0	10.0	9.0	17	16
PIM303018DR47MBCA	0.47	8.0	10	9.0	8.0	12	11
PIM303018DR68MBCA	0.68	12	14.5	10.0	9.0	11	10
PIM303018D1R0MBCA	1.0	15	21	6.3	5.8	7.6	6.8
PIM303018D1R5MBCA	1.5	20	26	6.8	6.4	8.0	7.0
PIM303018D4R7MBCA	4.7	72	87	3.4	3.0	4.7	4.2

PIM303020(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
PIM303020DR10MBCA	0.10	3.3	4.5	17.0	16.0	25.0	23.0
PIM303020DR15MBCA	0.15	4.0	5.0	13.0	12.0	18.0	17.0
PIM303020DR22MBCA	0.22	5.0	6.5	11.0	10.0	17.5	16
PIM303020DR33MBCA	0.33	7.5	9.0	10.0	9.0	17	15
PIM303020DR36MBCA	0.36	7.5	9.0	10.0	9.0	16.5	14.5

PIM303020DR47MBCA	0.47	8.0	11	9.0	8.0	15	13.5
PIM303020DR50MBCA	0.50	9.0	12	9.0	8.0	15	13
PIM303020DR50MBCD	0.50	7.0	8.3	12.5	11.5	13.5	12
PIM303020DR68MBCA	0.68	13	16	8.5	7.8	13	11
PIM303020D1R0MBCA	1.0	14	20	6.5	6.0	8.0	7.3
PIM303020D1R2MBCA	1.2	16	21	7.0	6.5	7.5	7.0
PIM303020D1R5MBCA	1.5	19	25	6.3	5.8	7.0	6.5
PIM303020D2R2MBCA	2.2	37	45	4.7	4.3	6.0	5.5
PIM303020D3R3MBCA	3.3	52	63	4.5	4.0	5.9	5.4
PIM303020D4R7MBCA	4.7	60	73	4.2	3.8	4.8	4.0
PIM303020D6R8MBCA	6.8	107	135	3.2	3.0	4.5	3.8
PIM303020D100MBCA	10.0	135	160	2.5	2.2	3.8	3.3
PIM303020D150MBCA	15.0	235	260	1.8	1.5	2.6	2.2

11>4040 Series

PIM404010(4.1*4.1*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
PIM404008S100MBCA	10.0	400	455	1.8	1.5	1.9	1.6
PIM404008S100MBCD	10.0	364	428	1.8	1.5	1.9	1.6

PIM404010(4.1*4.1*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
PIM404010S1R0MBCA	1.0	22	26	7.0	6.5	5.3	4.8
PIM404010S4R7MBCA	4.7	120	140	3.4	3.0	3.8	3.5
PIM404010S100MBCA	10	220	280	2.5	2.0	2.2	2.0

PIM404012(4.1*4.1*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
PIM404012SR47MBCA	0.47	11.5	14	9.0	8.5	12	11.5
PIM404012SR60MBCA	0.60	12	14.5	8.5	8.0	9.0	8.5
PIM404012SR68MBCA	0.68	15	18	8.5	7.5	10	9.0
PIM404012S1R0MBCA	1.0	21	25	6.3	5.5	11	10
PIM404012S1R0MBCD	1.0	20	23	6.2	5.3	9.0	8.0
PIM404012S1R5MBCA	1.5	29	34.5	6.0	5.0	8.0	7.0
PIM404012S2R2MBCA	2.2	45	55	5.0	4.5	6.5	6.0
PIM404012S3R3MBCA	3.3	67	80	4.5	4.0	5.5	5.0

PIM404012S4R7MBCA	4.7	90	110	3.5	3.0	5.0	4.5
PIM404012S5R6MBCA	5.6	116	140	3.0	2.5	4.5	4.0
PIM404012S6R8MBCA	6.8	132	160	2.8	2.3	3.8	3.5
PIM404012S100MBCA	10.0	200	235	2.5	2.0	2.8	2.5

PIM404015(4.1*4.1*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
PIM404015S4R7MBCA	4.7	53	63	5.0	4.5	5.5	5.0
PIM404015S5R6MBCA	5.6	66	80	4.5	4.0	4.8	4.3

PIM404020(4.1*4.1*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
PIM404020SR33MBCA	0.33	5.0	6.0	9.5	8.5	18.0	17.0
PIM404020SR47MGCA	0.47	7.0	8.5	8.5	8.0	16.0	15.0
PIM404020S1R0MGCA	1.0	12	14.5	6.5	6.0	12.5	11.5
PIM404020S1R5MGCA	1.5	18	22	6.0	5.5	10.5	9.5
PIM404020S2R2MGCA	2.2	30	36	5.5	5.0	9.5	8.5
PIM404020S3R3MGCA	3.3	35	40	6.3	5.8	8.0	7.0
PIM404020S4R7MGCA	4.7	47	58	5.0	4.0	6.3	5.5
PIM404020S6R8MGCA	6.8	90	105	3.7	3.2	5.4	4.5
PIM404020S100MGCA	10	113	135	3.4	3.0	4.9	4.0
PIM404020S150MGCA	15	210	250	2.3	1.7	3.5	3.0
PIM404020S220MGCA	22	275	330	1.8	1.3	2.9	2.3

PIM404030(4.1*4.1*3.0mm)

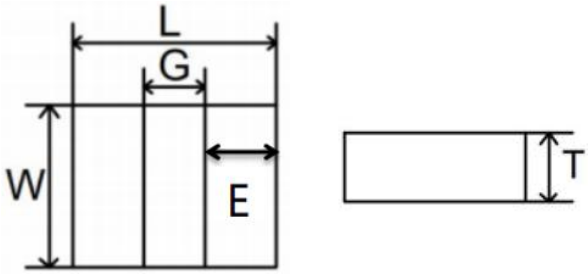
P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM404030SR33MBCA	0.33	4.5	6.0	16	15	25	23
PIM404030SR47MBCA	0.47	5.5	7.0	15	14	23	21
PIM404030SR56MBCA	0.56	6.0	7.5	15	14	22	20
PIM404030SR68MBCA	0.68	8.3	10	9.5	8.0	17	15
PIM404030S1R0MGCA	1.0	10	12	10	9.0	15.5	14
PIM404030S1R5MGCA	1.5	15	18	6.5	6.0	12.5	11
PIM404030S2R2MGCA	2.2	19	22	9.0	8.5	10.5	9.5
PIM404030S2R2MGCB	2.2	22	25	9.2	8.6	11	10
PIM404030S3R3MGCA	3.3	30	35	5.3	4.8	8.5	7.5

PIM404030S4R7MGCA	4.7	41	46	4.3	4.0	7.0	6.0
PIM404030S4R7MBCD	4.7	36	42	6.0	5.5	7.8	6.8
PIM404030S5R6MBCA	5.6	41	48	5.5	5.0	7.0	6.2
PIM404030S6R8MBCA	6.8	51	62	4.2	3.8	6.3	5.1
PIM404030S8R2MBCA	8.2	90	102	3.9	3.5	5.2	4.8
PIM404030S100MBCA	10.0	92	110	3.7	3.3	4.9	4.5
PIM404030S220MBCA	22.0	190	220	2.5	2.2	3.4	3.0

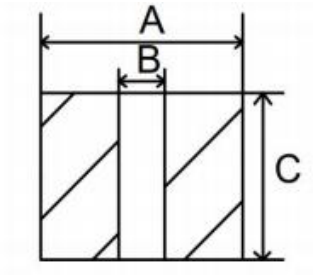
TU-core PIM Integrated Inductor (Commercial use)

①. SHAPE AND DIMENSIONS

Outline Dimensions



Recommend Land Pattern Dimensions



Series	L	G	W	E	T	A	B	C
PIMU404012S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	1.20Max.	4.10	1.10	4.10
PIMU404015S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	1.50Max	4.10	1.10	4.10
PIMU404020S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	2.00Max.	4.10	1.10	4.10
PIMU404021S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	2.10Max.	4.10	1.10	4.10
PIMU404030S	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	3.00Max.	4.10	1.10	4.10
PIM505012S	5.2±0.2	2.0±0.2	5.0±0.2	1.60±0.2	1.20Max.	5.50	1.60	5.30
PIM505020S	5.2±0.2	2.0±0.2	5.0±0.2	1.60±0.2	2.00Max.	5.50	1.60	5.30
PIM505028S	5.2±0.2	2.0±0.2	5.0±0.2	1.60±0.2	2.80Max.	5.50	1.60	5.30
PIM505030S	5.2±0.2	2.0±0.2	5.0±0.2	1.60±0.2	3.00Max.	5.50	1.60	5.30
PIM505031S	5.2±0.2	2.0±0.2	5.0±0.2	1.60±0.2	3.10Max.	5.50	1.60	5.30
PIM505040S	5.2±0.2	2.0±0.2	5.0±0.2	1.60±0.2	4.00Max.	5.50	1.60	5.30
PIM606031S	6.2±0.2	2.6±0.2	6.0±0.2	1.80±0.2	3.10Max.	6.50	2.00	6.30
PIM606040S	6.2±0.2	2.6±0.2	6.0±0.2	1.80±0.2	4.00Max.	6.50	2.00	6.30
PIM606050S	6.2±0.2	2.6±0.2	6.0±0.2	1.80±0.2	5.00Max.	6.50	2.00	6.30
PIM606060S	6.2±0.2	2.6±0.2	6.0±0.2	1.80±0.2	6.00Max.	6.50	2.00	6.30
PIM707015S	7.2±0.2	2.6±0.2	7.0±0.2	2.30±0.2	1.50Max.	7.50	2.40	7.30
PIM707020S	7.2±0.2	2.6±0.2	7.0±0.2	2.30±0.2	2.00Max.	7.50	2.40	7.30
PIM707030S	7.2±0.2	2.6±0.2	7.0±0.2	2.30±0.2	3.00Max.	7.50	2.40	7.30
PIM707040S	7.2±0.2	2.6±0.2	7.0±0.2	2.30±0.2	4.00Max.	7.50	2.40	7.30
PIM707050S	7.2±0.2	2.6±0.2	7.0±0.2	2.30±0.2	5.00Max.	7.50	2.40	7.30
PIMX0X030S	10.2±0.2	3.6±0.2	10.0±0.2	3.30±0.2	3.00Max.	10.50	3.20	10.30
PIMX0X040S	10.2±0.2	3.6±0.2	10.0±0.2	3.30±0.2	4.00Max.	10.50	3.20	10.30
PIMX0X050S	10.2±0.2	3.6±0.2	10.0±0.2	3.30±0.2	5.00Max.	10.50	3.20	10.30
PIMX2X230S	12.2±0.2	4.6±0.2	12.0±0.2	3.8±0.2	3.00Max.	12.50	3.60	12.30
PIMX2X260S	12.2±0.2	4.6±0.2	12.0±0.2	3.8±0.2	6.00Max.	12.50	3.60	12.30

Units:mm

②.Product characteristic description

Note 1.: All test data is referenced to 25 ℃ ambient.
Note 2.: Test Condition:1MHz, 1.0Vrms.
Note 3.: Irms:DC current (A) that will cause an approximate △T of 40 ℃.
Note 4.: Isat:DC current (A) that will cause L0 to drop approximately 30%.
Note 5.: Operating Temperature Range -55℃ to + 125℃.
Note 6.: The part temperature (ambient + temp rise) should not exceed 125 under ℃ 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.
Note 8.: Rated voltage 50V

③. Specifications

1>4040 Series

PIMU404012(4.1*4.1*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
PIMU404012SR22MBCA	0.22	6.5	7.5	14.0	13.0	15.0	14.0
PIMU404012SR47MBCD	0.47	7.5	8.5	12.0	11.0	11.0	10.0

PIMU404015(4.1*4.1*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
PIMU404015SR10MGCA	0.10	1.8	2.2	29.0	26	30	27
PIMU404015SR47MBCA	0.47	5.8	7.0	13.0	12.0	13.0	12.0
PIMU404015S1R0MBCA	1.0	12.5	15	11.0	10.0	9.0	8.0

PIMU404020(4.1*4.1*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
PIMU404020SR10MBCA	0.10	1.2	1.6	34.0	30.5	35.0	30.0
PIMU404020SR12MBCA	0.12	1.3	1.7	34.0	30.5	31.0	29.0
PIMU404020SR15MBCA-TE	0.15	1.8	2.2	28.5	25.5	28.0	24.0
PIMU404020SR22MBCA	0.22	2.0	2.7	20.0	19.0	20.0	19.0
PIMU404020SR33MBCD	0.33	3.2	3.85	18.0	17.5	18.0	17.0
PIMU404020SR33MBCB	0.33	2.8	3.3	23.0	20.5	19.0	18.0
PIMU404020SR47MBCB	0.47	4.0	4.8	17.0	16.0	15.2	14.2
PIMU404020SR47MBCD	0.47	4.1	4.9	17.0	16.0	15.0	14.0
PIMU404020SR56MBCA	0.56	4.7	5.6	18.5	16.5	14.0	13.0
PIMU404020SR68MBCA	0.68	5.5	6.2	14.0	13.0	13.0	12.0
PIMU404020SR82MBCA	0.82	6.8	8.0	13.0	12.0	12.0	11.0
PIMU404020S1R0MBCD	1.0	7.5	9.0	12.5	11.5	10.0	9.0
PIMU404020S1R2MBCA	1.2	10.5	12.0	10.0	9.0	10.0	9.0
PIMU404020S3R3MBCA	3.3	24	28	8.0	6.5	5.6	4.7

PIMU404021(4.1*4.1*2.1mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIMU404021S1R0MBCA	1.0	7.5	8.5	12.5	11.5	11.5	11.0

PIMU404030(4.1*4.1*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
PIMU404030S4R7MBCA	4.70	27.0	32.4	6.6	5.9	5.8	5.1

2>5050 Series

PIM505012(5.2*5.0*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
PIM505012SR10MGCA	0.10	1.8	2.5	22.0	20.0	35.0	30.0
PIM505012SR15MGCA	0.15	4.2	5.0	17.0	15.3	30.0	26.0
PIM505012S1R0MGCA	1.0	16	18	8.5	7.5	9.5	8.5

PIM505020(5.2*5.0*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
PIM505020S1R0MGCA	1.0	7.0	8.4	14.0	13.0	16.0	14.0
PIM505020S1R5MGCA	1.5	13	17	13.0	10.0	12.0	10.0
PIM505020S2R2MGCA	2.2	24	29	7.0	6.5	9.5	8.5

PIM505028(5.2*5.0*2.8mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM505028S1R5MGCA	1.5	9.0	11.2	12.0	10.6	14.0	12.6
PIM505028S3R3MGCA	3.3	25	30	6.5	5.5	5.7	5.0

PIM505030(5.2*5.0*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
PIM505030SR15MGCA	0.15	1.05	1.45	25	24	43	41
PIM505030SR16MGCA	0.16	1.1	1.5	24	23	42	40
PIM505030SR22MGCA	0.22	1.4	1.65	22	20	36	34
PIM505030SR30MGCA	0.30	1.5	1.8	22	21	29	27
PIM505030SR33MGCA	0.33	1.6	2.0	21	19	28	26

PIM505030SR47MGCA	0.47	2.5	3.0	21	18	26	23
PIM505030SR56MGCA	0.56	3.0	3.6	20	18	24	21
PIM505030SR68MGCA	0.68	3.8	4.6	19	16	21	18.5
PIM505030S1R0MGCA	1.0	6.0	7.6	12.2	10.0	19.0	16.5
PIM505030S1R2MGCA	1.2	5.2	6.0	13.0	11.0	15.0	13.5
PIM505030S2R2MGCA	2.2	12.0	14.0	10.0	9.0	12.0	10.0
PIM505030S3R3MGCA	3.3	24.0	27.0	9.0	8.0	10.0	9.0
PIM505030S4R7MGCA	4.7	29.0	32.0	7.0	6.0	9.0	8.0
PIM505030S6R8MGCA	6.8	37.0	40.0	6.0	5.0	8.0	7.0

PIM505031(5.2*5.0*3.1mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM505031S1R5MGCA	1.5	9.8	11.0	14	12.6	11.0	10.6

PIM505040(5.2*5.0*4.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM505040S4R7MGCA	4.7	32	36	7.0	5.5	8.5	7.0
PIM505040S6R8MGCA	6.8	40	44	7.0	5.0	9.0	7.0

3>6060 Series

PIM606031(6.2*6.0*3.1mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM606031S2R2MGCA	2.2	9.0	10.0	12.0	11.0	14	12.2

PIM606040(6.2*6.0*4.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM606040SR15MGCA	0.15	1.12	1.32	35.0	30.0	65.0	60.0
PIM606040S1R0MGCA	1.0	4.5	5.8	16.0	14.0	20.0	18.0
PIM606040S4R7MGCA	4.7	15.0	18.0	9.5	8.0	10.5	8.5

PIM606050(6.2*6.0*5.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM606050S1R5MGCA	1.5	5.0	6.3	18.0	16.0	21.0	19.0
PIM606050S3R3MGCA	3.3	7.2	8.0	13.0	12.0	14.0	12.0

PIM606050S4R7MGCA	4.7	9.2	10.5	12.5	11.0	12.0	10.0
PIM606050S8R2MGCA	8.2	20.0	23.0	10.0	8.0	7.5	7.0

PIM606060(6.2*6.0*6.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM606060S3R3MGCA	3.3	7.0	8.4	13	12	14	13
PIM606060S150MGCA	15.0	38.0	43.5	6.0	4.5	5.8	5.0
PIM606060S220MGCA	22.0	52.0	60.0	5.0	3.8	5.6	4.8

4>7070 Series

PIM707015(7.2*7.0*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
PIM707015S2R2MGCA	2.2	30	36	5.5	5.0	6.8	6.3
PIM707015S100MGCA	10.0	132	145	3.0	2.5	3.8	3.5

PIM707020(7.2*7.0*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
PIM707020S1R5MGCA	1.5	11	12	11	10	16	15
PIM707020S2R2MGCA	2.2	12	15	11	9	12	10.5

PIM707030(7.2*7.0*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
PIM707030SR47MGCA	0.47	2.6	3.2	28	27	33	31
PIM707030SR68MBCA	0.68	3.3	4.0	24	23	28	26
PIM707030S1R5MGCA	1.5	6.9	8.3	15	12	22	19
PIM707030S2R2MGCA	2.2	11	13	13	10	21	18

PIM707040(7.2*7.0*4.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM707040S4R7MBCA	4.7	14.0	16.5	9.0	8.0	14.5	13.5

PIM707050(7.2*7.0*5.0mm)

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

PIM707050S220MBCA	22.0	55	60.5	5.0	4.5	7.5	6.5
PIM707050S470MGCA	47	120	140	3.3	3.0	5.3	4.5

PIM707060(7.2*7.0*6.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIM707060S4R7MGCA	4.7	12	14.5	13	12	18	16

5>X0X0 Series

PIMX0X030(10.2*10.0*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
PIMX0X030S3R3MGCA	3.3	10	12	16	15	16	15
PIMX0X030S4R7MGCA	4.7	15	18	13	12	14	13
PIMX0X030S6R8MGCA	6.8	21	25	11	10	11	10
PIMX0X030S100MGCA	10.0	33	38	8.0	7.0	10.0	9.0

PIMX0X040(10.2*10.0*4.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIMX0X040SR47MGCA	0.47	0.8	1.3	32	30	42	40
PIMX0X040S1R0MGCA	1.0	2.2	3.0	26	24	32	30
PIMX0X040S2R2MGCA	2.2	4.7	6.0	17	16	25	23
PIMX0X040S3R3MGCA	3.3	6.5	7.8	16	15	21	19
PIMX0X040S4R7MGCA	4.7	10.5	12.5	14	13	19	17
PIMX0X040S6R8MGCA	6.8	13.5	16	12	11	15	14
PIMX0X040S100MGCA	10.0	16	19.5	11.0	9.0	13	10

PIMX0X050(10.2*10.0*5.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIMX0X050S1R0MBCA	1.0	1.5	2.2	28	26	34	32
PIMX0X050S3R3MGCA	3.3	5.0	6.5	18	17	24	22
PIMX0X050S4R7MGCA	4.7	6	8	16	15	21	19
PIMX0X050S100MBCA	10.0	17	20	12	11	11	10

PIMX0X060(10.2*10.0*6.0mm)

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

PIMX0X060S100MBCA	10.0	14	15	14	12	20	16

6>X2X2 Series

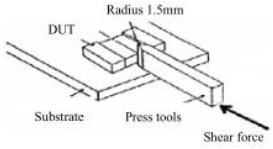
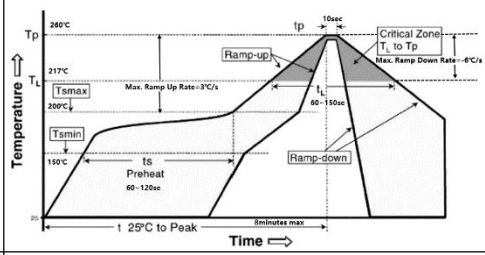
PIMX2X230(12.2*12.0*3.0mm)

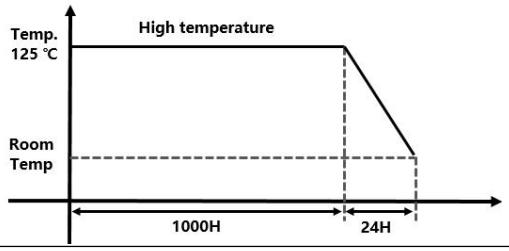
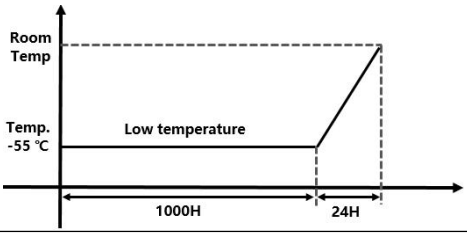
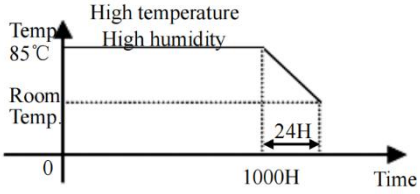
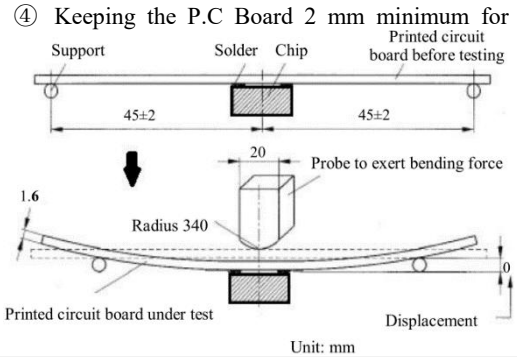
P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIMX2X230S1R0MGCA	1.0	2.4	3.0	28.0	24.0	35.0	32.0
PIMX2X230S1R5MGCA	1.5	3.8	4.2	24.0	21.0	32.0	28.0
PIMX2X230S2R2MGCA	2.2	5.0	5.5	20	18	28	25

PIMX2X260(12.2*12.0*6.0mm)

P/N	L0(μH) @(0A) 1MHz	Rdc(mΩ)		Heat rating current Irms(A)		Saturation current Isat(A)	
		Typical	Max	Typical	Max	Typical	Max
PIMX2X260S100MBCA	10.0	10.0	12.0	15.0	12.0	15.0	13.0

5. Reliability

No.	Item	Requirements	Test Methods and Remarks	Reference	Sample Size
1	Solderability	(1) No case deformation or change in appearance. (2) Terminal area must have 95% min. Solder coverage.	①Temperature:245± 5℃. ②Solder Composition: Sn/Ag3.0/Cu0.5(Pb-Free). ③Sample immersion tin furnace 5 ±0.5s.	AEC-Q200 (J-STD 002)	32
2	Adhesion of teral electrode	(1)Strong bond between the pad and the core, without come off PCB.	①Preconditioning：245℃Reflow 3 times ②Inductors shall be subjected to (260+0/-5℃.)℃ for (10±5)s Soldering in the base whit 0.3mm solder. ③ Aplombelectrode way plus tax X N for (10±1) seconds. 	AEC-Q200 (AEC-Q200-006)	32
3	Reflow test	(1) No physical damage. (2)｜ΔL0/L0｜≤10%	① The peak temperature: 260+0/-5℃. ② Reflow:3times. ③ Temperature curve is as below 	AEC-Q200 (MIL-STD-202 Method 210)	32
4	High temperature	(1) No physical damage. (2)｜ΔL0/L0｜≤10%	① Preconditioning: Bake at 125+5℃ for 24±0.5H，245℃Reflow 3 times ②Temperature: 125±2℃. ③ Time : 1000 hours.	AEC-Q200 (MIL-STD -202 Method 108)	77

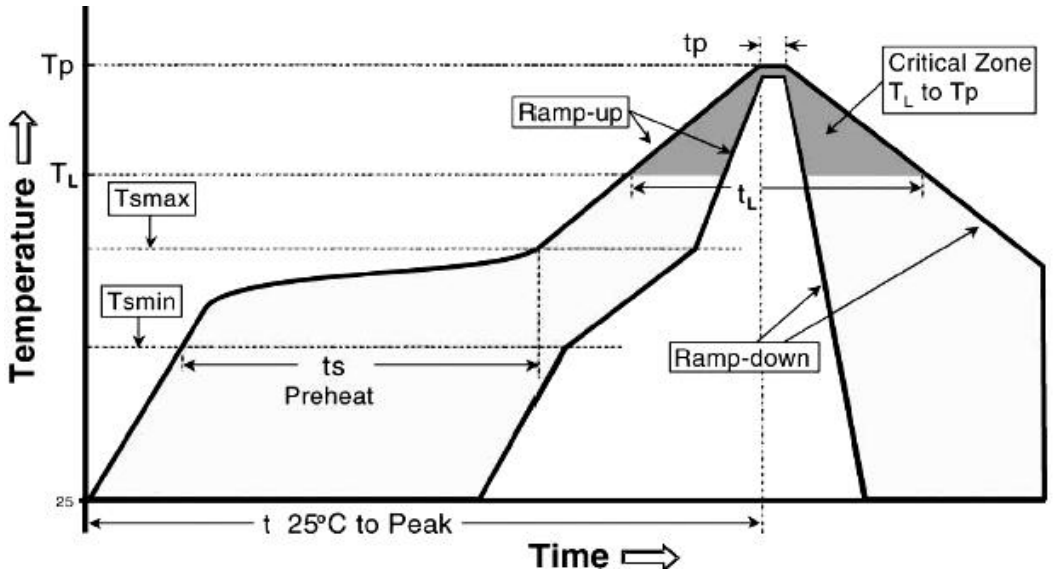
			④Measurement at 24±4 hours after test conclusion 		
5	Low temperature	(1) No physical damage. (2) | ΔL0/L0 | ≤10%	①Preconditioning: Bake at 125+5℃ for 24±0.5H，245℃Reflow 3 times ②Temperature: -55±2℃. ③Time : 1000 hours. ④ Measurement at 24±4 hours after test conclusion 	JESD22-A119A	77
6	Thermal shock	(1) No physical damage. (2) | ΔL0/L0 | ≤10%	①Preconditioning: Bake at 125+5℃ for 24±0.5H，245℃Reflow 3 times ②Repeat 500 cycle as follow : (-55±2 ℃ ,30±3minutes) 、(Room temperature, 5 minutes) 、(+125±2 ℃ ,30±3minutes) 、(Room temperature, 5 minutes) ③Measurement at 24±4 hours after test conclusion	MIL-STD -202 Method 107	77
7	Resistance to Soldering Heat	(1) No physical damage. (2) | ΔL0/L0 | ≤10%	①Solder Composition: Sn/Ag3.0/Cu0.5(Pb-Free). ②Solder Temperature: 260±5℃. ③Immersion Time: 10±1sec.	AEC-Q200（MIL-STD-202 Method 210）	32
8	Static Humidity	(1) No physical damage. (2) | ΔL0/L0 | ≤10%	①Preconditioning: Bake at 125+5℃ for 24±0.5H，245℃Reflow 3 times ②1000 hours, 85°C/85%RH. ③ Unpowered. ④Measurement at 24±4 hours after test conclusion 	AEC-Q200 (MIL-STD-202 Method 103)	77
9	Board Flex	(1) No physical damage. (2) | ΔL0/L0 | ≤10%	①Preconditioning：245℃Reflow 3 times ②Part mounted on a 100mm*40mm FR4 PCB board, which is 1.6±0.2 mm thick and as a Layer-thickness 35 μm ± 10 μm. ③ Bending speed is 1mm/s. ④ Keeping the P.C Board 2 mm minimum for 60 	AEC-Q200 (AEC-Q200-005)	30

			seconds.		
10	Vibration	(1) No physical damage. (2) | ΔL0/L0 | ≤10%	①Preconditioning：245℃Reflow 3 times ②Frequency range : 10~2000Hz. ③Amplitude: 1.5mm or 20g. ④ Sweep time and duration: 10~2000~10Hz for 20 minutes. ⑤ Each four hours in X,Y,Z direction, 12hours in total.	AEC-Q200 (MIL-STD-202 Method 204)	32
11	Mechanical Shock	(1) No physical damage. (2) | ΔL0/L0 | ≤10%	① Preconditioning：245℃Reflow 3 times ②Peak acceleration:100G/S ③Duration of pulse:6ms ④3times in each of 6(±X, ±Y, ±Z) axes.	AEC-Q200 (MIL-STD-202 Method 213)	32
12	Loading at High Temperature	(1) No physical damage. (2) | ΔL0/L0 | ≤10%	①Preconditioning: Bake at 125+5℃ for 24±0.5H，245℃Reflow 3 times ②Temperature: 85±2℃. ③ Time : 1000 hours. ④ Applied Current : Rated current. ⑤Measurement at 24±4 hours after test conclusion	AEC-Q200 (MIL-STD-202 Method 108)	77

6. 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 (Ts_{min}) Temperature Max (Ts_{max}) Time (Ts_{min} to Ts_{max}) (ts)	 150℃ 200℃ 60 -120 seconds
Average ramp-up rate： (Ts max to Tp)	 3℃ / second max.
Time maintained above : Temperature (T_L) Time (t_L)	 217℃ 60-150 seconds
Peak Temperature (Tp)	260℃

Time within $^{+0}_{-5}$℃ of actual peak Temperature (tp)[2]	10 seconds
Ramp-down Rate	6℃/second max.
Time 25℃ to Peak Temperature	8minutes max.

Allowed Re-flow times : 2 times

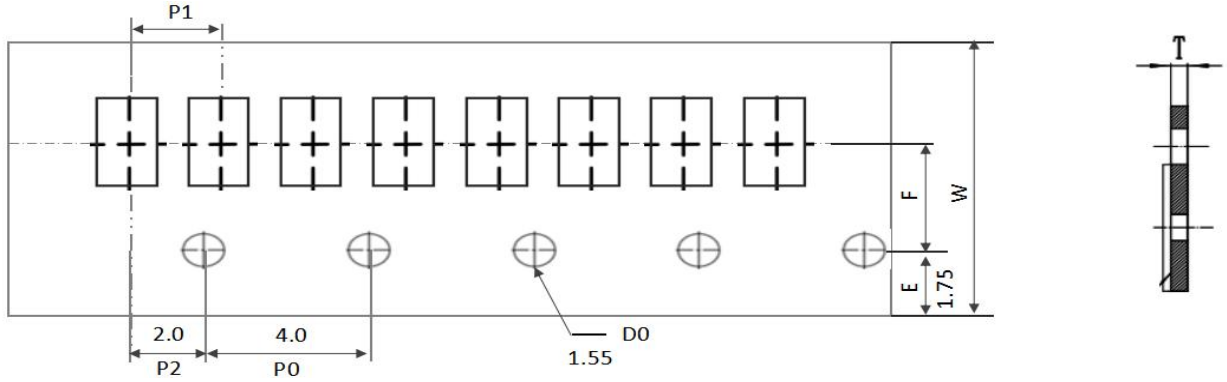
Remark : To avoid discoloration phenomena of chip on terminal electrodes, please use N_2 Re-flow furnace .

7.Packing

■ Dimension of plastic taping: (Unit: mm)

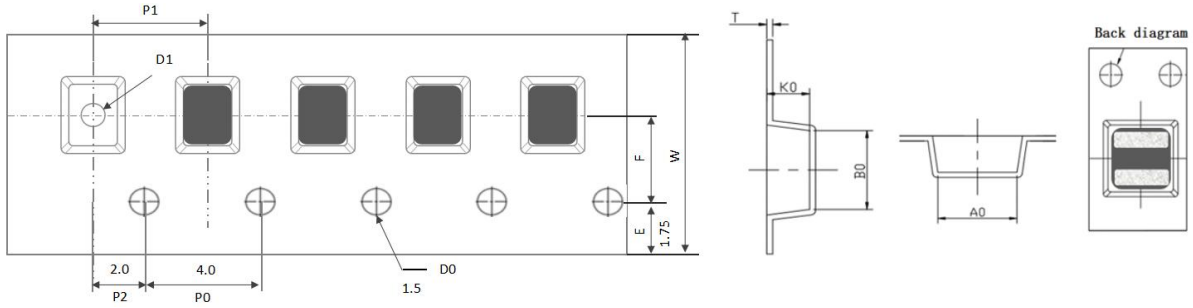
The following dimensions are related to the actual fit of the machine， for reference only.

■ 1005-1007Series



Series	W	A0	B0	D0	F	P1	T	Packing Quantity
Tolerance	±0.10	±0.04	±0.04	±0.20	±0.10	±0.05	±0.05	
100506	8.0	0.75	1.25	1.55	3.5	2.0	0.65	5K
100765	8.0	0.90	1.20	1.55	3.5	2.0	0.75	
100708	8.0	0.90	1.20	1.55	3.5	2.0	0.95	

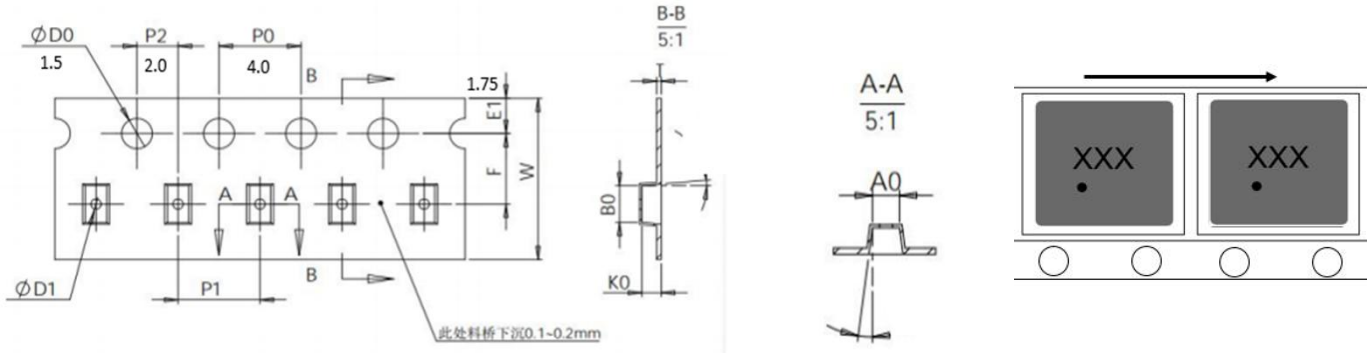
■ 1210-3030 Series



Series	W	A0	B0	D1	F	K0	P1	T	R/Pcs
Tolerance	/	/	/	±0.20	±0.10	/	±0.10	±0.05	
121065	8.0±0.10	1.30±0.05	1.50±0.05	0.7	3.5	0.80±0.10	4.0	0.22	
160806/160865	8.0±0.10	1.00±0.05	1.82±0.05	0.6	3.5	0.80±0.10	4.0	0.22	
160808	8.0±0.10	1.04±0.05	1.82±0.05	0.6	3.5	0.95±0.05	4.0	0.22	
141265	8.0±0.10	1.50+0.10/-0.05	1.70+0.10/-0.05	0.6	3.5	0.80±0.10	4.0	0.22	
141207/141208	8.0±0.10	1.50+0.10/-0.05	1.70+0.10/-0.05	0.6	3.5	0.95±0.10	4.0	0.22	

201206/201265	8.0±0.10	1.40+0.10/-0.05	2.25+0.10/-0.05	1.0	3.5	0.80±0.10	4.0	0.25	3K
201208	8.0±0.10	1.50±0.10	2.30±0.10	1.0	3.5	1.00±0.10	4.0	0.22	
201210	8.0±0.10	1.50±0.10	2.35±0.10	1.0	3.5	1.20±0.10	4.0	0.22	
201212	8.0±0.10	1.50±0.10	2.35±0.10	1.0	3.5	1.40±0.10	4.0	0.22	
201655/201665	8.0±0.10	1.95±0.10	2.45±0.10	1.0	3.5	0.80±0.10	4.0	0.25	
201607/201608	8.0±0.10	1.90±0.10	2.35±0.10	1.0	3.5	1.00±0.10	4.0	0.25	
201610	8.0±0.10	1.95±0.10	2.35±0.10	1.0	3.5	1.15±0.10	4.0	0.25	
201612	8.0±0.10	1.90±0.10	2.30±0.10	1.0	3.5	1.35±0.10	4.0	0.25	
252055	8.0±0.10	2.35+0.10/-0.05	2.80+0.10/-0.05	1.0	3.5	0.80±0.10	4.0	0.23	
252075/252008	8.0±0.10	2.35+0.10/-0.05	2.80+0.10/-0.05	1.0	3.5	1.00±0.10	4.0	0.23	
252010	8.0±0.10	2.45±0.10	2.80±0.10	1.0	3.5	1.20±0.10	4.0	0.25	
252012	8.0±0.10	2.35+0.10/-0.05	2.80+0.10/-0.05	1.0	3.5	1.35±0.10	4.0	0.23	
322510	8.0±0.10	2.80+0.10/-0.05	3.50+0.10/-0.05	1.0	3.5	1.15±0.10	4.0	0.25	
322512	8.0±0.10	2.90+0.10/-0.05	3.50+0.10/-0.05	1.0	3.5	1.35±0.10	4.0	0.25	
322520	8.0±0.10	2.90+0.10/-0.05	3.50+0.10/-0.05	1.0	3.5	2.20±0.10	4.0	0.23	2K
303010/303012	12.0±0.30	3.40±0.10	3.40±0.10	1.5	5.5	1.40±0.10	8.0	0.30	3K
303015	12.0±0.30	3.40±0.10	3.40±0.10	1.5	5.5	1.70±0.10	8.0	0.30	
303018	12.0±0.30	3.25±0.10	3.25±0.10	1.5	5.5	2.00±0.10	8.0	0.23	
303020	12.0±0.30	3.40±0.10	3.45±0.10	1.5	5.5	2.20±0.10	8.0	0.30	

■ 4040 -X2X2 Series



Series/mm	W	A0	B0	D1	F	K0	P1	T	R/Pcs
Tolerance	/	/	/	±0.20	±0.10	/	±0.10	±0.05	
404008	12.0±0.30	4.40±0.10	4.40±0.10	1.5	5.5	1.00±0.10	8.0	0.30	3K
404010/404012	12.0±0.30	4.40±0.10	4.40±0.10	1.5	5.5	1.30±0.10	8.0	0.30	
404020	12.0±0.30	4.40±0.10	4.40±0.10	1.5	5.5	2.20±0.10	8.0	0.30	
404030	12.0±0.30	4.40±0.10	4.40±0.10	1.5	5.5	3.20±0.10	8.0	0.35	2K
505012	12.0±0.30	5.20±0.10	5.40±0.10	1.5	5.5	1.45±0.10	8.0	0.35	3K
505020	12.0±0.30	5.20±0.10	5.40±0.10	1.5	5.5	2.25±0.10	8.0	0.35	2K
505028/505030	12.0±0.30	5.20±0.10	5.40±0.10	1.5	5.5	3.05±0.10	8.0	0.35	
505040	12.0±0.30	5.20±0.10	5.40±0.10	1.5	5.5	4.25±0.10	8.0	0.35	1.5K
606031	16.0±0.30	6.20±0.10	6.40±0.10	1.5	7.5	3.35±0.10	12.0	0.35	

606040	16.0±0.30	6.20±0.10	6.40±0.10	1.5	7.5	4.25±0.10	12.0	0.35	1.0K
606050	16.0±0.30	6.20±0.10	6.40±0.10	1.5	7.5	5.25±0.10	12.0	0.50	0.8K
606060	16.0±0.30	6.20±0.10	6.40±0.10	1.5	7.5	6.25±0.10	12.0	0.50	0.6K
707015	16.0±0.30	7.20±0.10	7.40±0.10	1.5	7.5	1.7±0.10	12.0	0.40	2K
707020	16.0±0.30	7.20±0.10	7.40±0.10	1.5	7.5	2.20±0.10	12.0	0.40	1.5K
707030	16.0±0.30	7.20±0.10	7.40±0.10	1.5	7.5	3.20±0.10	12.0	0.40	1K
707040	16.0±0.30	7.20±0.10	7.40±0.10	1.5	7.5	4.20±0.10	12.0	0.40	1K
707050	16.0±0.30	7.20±0.10	7.40±0.10	1.5	7.5	5.20±0.10	12.0	0.40	1K
707060	16.0±0.30	7.20±0.10	7.40±0.10	1.5	7.5	6.20±0.10	12.0	0.50	
X0X030	24.0±0.30	10.50±0.10	10.50±0.10	1.5	11.5	3.20±0.10	16.0	0.40	
X0X040	24.0±0.30	10.50±0.10	10.50±0.10	1.5	11.5	4.20±0.10	16.0	0.40	
X0X050	24.0±0.30	10.20±0.10	10.40±0.10	1.5	11.5	5.20±0.10	16.0	0.40	
X0X060	24.0±0.30	10.20±0.10	10.40±0.10	1.5	11.5	6.20±0.10	16.0	0.40	0.5K
X0X070	24.0±0.30	10.50±0.10	10.50±0.10	1.5	11.5	7.30±0.10	16.0	0.50	
X0X080	24.0±0.30	10.50±0.10	10.50±0.10	1.5	11.5	8.30±0.10	16.0	0.50	
X2X230	24.0±0.30	12.20±0.10	12.40±0.10	1.5	11.5	3.20±0.10	16.0	0.50	
X2X260	24.0±0.30	12.20±0.10	12.40±0.10	1.5	11.5	6.20±0.10	16.0	0.50	

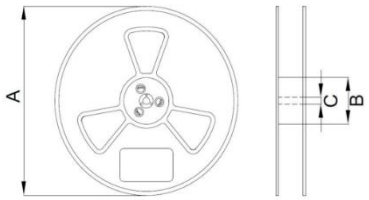
■ Dimension of Reel：(Unit: mm)

Packing size "W=8mm" using 178mm Reel

Packing size "W≥12mm" using 330mm Reel

Type	A ±2.0	B ±2.0	C ±2.0
All	178	60	13.0

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



8. Note

8.1 Storage Period

To maintain the solderability of terminal electrodes and to keep the packing material in good condition, product should be used within 12 months from the time of delivery. And the solderability of products electrodes may decrease as time passes, so in case of storage over 12 months, solderability shall be checked before actual usage.

8.2 Storage Conditions

Store products in a warehouse in compliance with the following condition:

Temperature：Inductors (product with taping) +15 to +35℃；Humidity：25~70%RH.

If the product is not used up 24H after opening, desiccant should be placed in the package and sealed

8.3 Do not subject products to rapid changes in temperature and humidity.

8.4 Do not store the products in chemical atmosphere such as one containing sulfurous acid gas or alkaline gas, that will causes poor

solderability and corrosion of inductors.
8.5 Do not store products in bulk packaging to prevent collision among inductors which causes core chipping and wire breakage.
8.6 Store products on pallets to protect from humidity, dust, etc.
8.7 Avoid heat shock, vibration, direct sunlight, etc.
8.8 When designing the PCB, please consider the installation position of the non-magnetic shielded components to avoid failures caused by magnetic interference.
8.9 Do not place this product near magnets or objects with magnetic force.
8.10 The product will self-heat (temperature rise) due to power-on, and sufficient margin should be left in thermal design.
8.11 Mounting density
If this product is placed near heat-generating products, be sure to implement sufficient heat-dissipating measures. If this product is subjected to a significant amount of heat from other products, this could adversely affect product quality, resulting in a circuit malfunction or failure of the mounted section. Also, be sure that the product is used in a manner so that the heat that the product is subjected to from other products does not exceed the upper limit of the rated operating temperature for the product.
8.12 Since the static electricity carried by the human body will be transmitted to the ground wire, please use an anti-static wrist strap.
8.13 Grease on human hands may lead to decreased solderability. Please avoid direct contact with the terminals.
8.14 This product refers to the general standard used in audio-visual entertainment, home appliances, computers,office automation, communications, power modules, LED lighting, measuring equipment.Machine tools, industrial control panels and other general electronic equipment. And the general electronicequipment should be used under the usual operation and usage methods.
8.15When this product is used in occasions other than general electronic equipment, such as: Automotive Electronic products,medical equipment, military equipment, Aerospace equipment, submarine equipment, etc.please be sure to contact the company's sales department,the company will cooperate with customer needs, and negotiate different intended use described in this product
8.16 Reworking with soldering iron

ITEM	Requirement
Pre-heating	150° C/approx. 1 min
Tip temperature of soldering iron	350° C max.
Soldering time	3 s (+1 s, -0 s)
Number of reworking operations	1 times max.
It is recommended to replace the product directly, rework may cause poor appearance	

8.17 We cannot warrant against failure caused by any use of our product that deviates from the intended use as described in this product specification.
8.18 Please approve our product specifications or transact the approval sheet for product specifications before ordering.
8.19 Our specification limits the quality of the component as a single unit. Please ensure the component is thoroughly evaluated in your application circuit.

9.Record

Version	Description	Page	Date
A0	newly increased: PIM160808SR18MBCA PIM201208SR33MBCD PIM201212SR33MBCA PIM252012S2R2MBCD PIM252012S6R8MBCB PIM322512SR22MBCD PIM322520S1R0MBCB PIM303020DR22MBCA PIM303020DR50MBCD PIM404015S4R7MBCA PIM404015S5R6MBCA PIM404030S4R7MBCD PIM505030SR47MGCA PIM505030SR68MGCA PIM606040S1R0MGCA PIM707030S1R5MGCA PIMX0X060S100MGCA PIM707060S2R2MGVA Revise: PIM252012S1R0MBCA Irms from 4.0/3.6 to 5.3/4.8	1~32	Oct.31.2024
A1	newly increased: PIM201265SR68MBCA PIM201210S1R0MBCB PIM201212S1R0MBCA PIM201665SR68MBCA PIM201610SR24MBCF PIM201610SR33MBCB PIM201610SR47MBCE PIM252010SR15MBCA PIM322512SR11MBCB PIM303020DR10MBCA PIM201265SR15MBCA PIM201265SR24MBCA PIM201265S4R7MBCA PIM201610S2R2MBCB PIM322512S1R0MBCB PIM505012S1R0MGCA PIM505020S1R0MGCA PIM505030S1R0MGCA PIM505030S1R2MGCA PIM606040SR15MGCA PIM606040S4R7MGCA PIM606050S1R5MGCA PIMX2X230S1R0MGCA PIMX2X230S1R5MGCA Revise: PIM201608SR47MBCA Irms from 4.4/4.6 to 5.2/5.5 PIM201608SR47MGCA Irms from 4.4/4.6 to 5.2/5.5	1-33	Nov.30.2024
A2	newly increased: PIM100506S1R0MBCA PIM201208S6R8MBCA PIM201610SR33MBCF PIM252008SR68MBCA PIM322512S1R2MBCA PIM322520S70NMBCA PIM303012DR68MBCA PIM606060S4R7MGVA PIMX0X070S1R0MGVA PIMX0X070S4R7MGVA	1-34	Dec.31.2024

A3	newly increased: PIM100708S2R2MBCA PIM141208SR10MBCA PIM141208SR47MBCD PIM201612SR22MBCA PIM252012SR24MBCD PIM252012SR33MBCF PIM322512S4R7MBCD PIM303012D2R2MBCA PIM303012D2R2MBCB PIM404010S4R7MBCA PIM505030SR56MGCA PIM606060S3R3MGCA PIM707015S100MGCA PIM707020S2R2MGCA PIMX0X040S100MGCA PIM404040S2R2MGVA	1-34	Feb.07.2025
A4	newly increased: PIM201210S2R2MBCD PIM252012S1R5MBCB PIM322520S2R2MBCD PIM404012SR60MBCA PIMU404020S2R2MGVA PIMU404020S4R7MGVA	1-34	Feb.28.2025
A5	Delete vehicle series newly increased:PIM100505SR47MBCA PIM322520S220MBCA PIM303012D1R2MBCA PIM201265SR33MBCA PIM201265SR47MBCA PIM322510S1R0MBCD PIM404008S100MBCA PIM404008S100MBCD PIM404030S5R6MBCA PIMU404020S3R3MBCA PIM505012SR10MGCA PIM505012SR15MGCA PIM505030SR22MGCA PIM505030S2R2MGCA PIM505030S4R7MGCA PIM505030S6R8MGCA PIM707050S470MGCA PIMX2X260S100MGCA Revise: PIM322512S4R7MBCA Irms from 2.3/2.0 to 3.0/2.8 PIM322512S4R7MBCF Irms from 2.5/2.1 to 3.0/2.8 PIM322512S4R7MBCB Irms from 2.3/2.0 to 3.0/2.8 PIM252010S1R0MBCD Irms from 7.5/7.0 to 4.9/4.4 PIM505030S3R3MGCA Irms from 7.3/6.5 to 9.0/8.0 Isat from 7.2/6.0 to 10.0/9.0	1-35	Mar.31.2025
A6	newly increased:PIM100506S1R0MBCD PIM100565SR47MBCA PIM141265SR10MBCA PIM141265SR15MBCA PIM201610S150MBCA PIM201612S4R7MBCA PIM322520S150MBCA PIM303012DR33MBCA PIM606050S3R3MGCA PIM606050S4R7MGCA PIM606050S8R2MGCA PIM707020S1R5MGCA Revise: PIM160808SR47MBCD Rdc from 38/45 to 36/43 PIM252012S3R3MBCA Irms from 2.3/1.8 to 2.8/2.5 PIM252012S4R7MBCA Irms from 1.8/1.5 to 2.2/1.9 PIM252012S4R7MGCA Irms from 1.8/1.5 to 2.2/1.9 PIM252012S6R8MBCA Irms from 1.6/1.4 to 1.8/1.6 4040 TU-core Series name from PIM to PIMU	1-36	May.06.2025