

TSM SERIES



FEATURES

- Shielded construction
- Frequency range up to 1.0 MHz
- Lowest DCR/ μH , in this package size
- Handles high transient current spikes without saturation
- Ultra low buzz noise, due to composite construction
- Compliant to RoHS Directive 2002/95/EC



RoHS
COMPLIANT

Part numbering system

TSM 0420 - 3R3 M

A B C D

A : Series Name.

B : Dimension.

C : Inductance. (for example 3R3=3.3 μH)

D : Inductance Tolerance. (for example M=±20%)

- ◎ All test Data is referenced to 25°C ambient.
- ◎ Operating temperature range: -35°C to 125°C.
- ◎ I_{rms}: Typical Heat Rating DC Current would cause an approximately ΔT of 40°C.
- ◎ I_{sat}: Typical Saturation DC Current would cause L_o to drop approximately 30%.
- ◎ The Part temperature (ambient + ΔT) should not exceed 125°C under worst case operating conditions.
- ◎ Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all effect the part temperature. Part temperature should be verified in the end application.

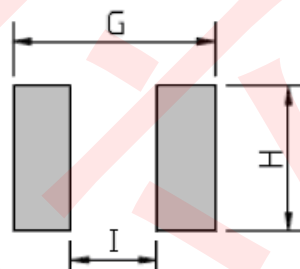
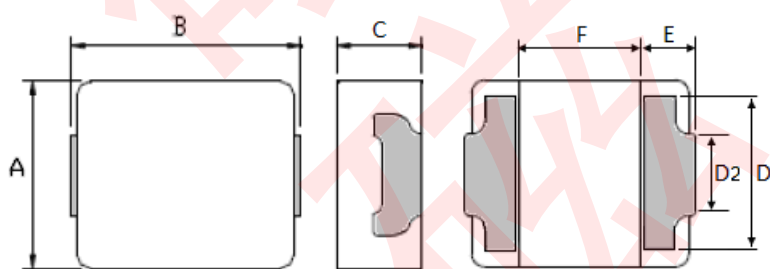


图 1

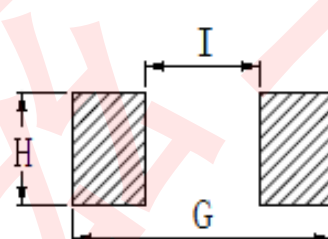
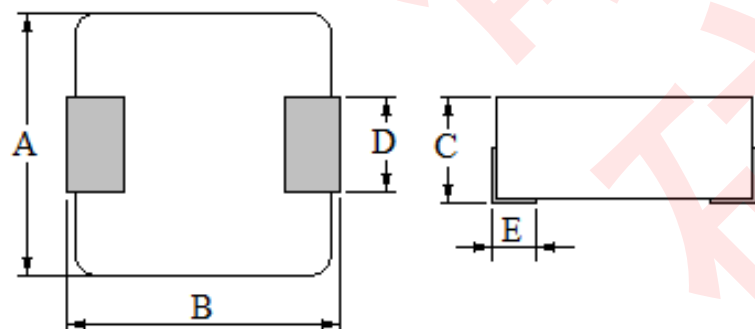
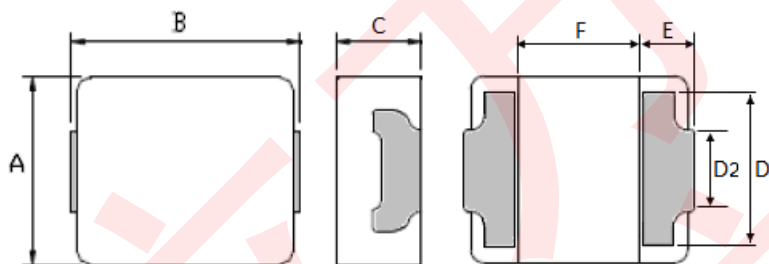


图 2

TSM SERIES

Dimension (Unit:mm)



Land Pattern (Unit:mm)

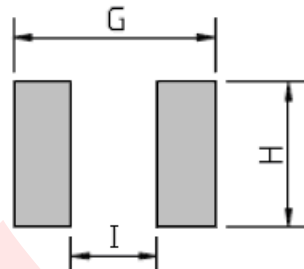


图 1

系列	尺寸	A	B	C	D	E	G	H	I	Packing (Pcs/Reel)
TSM252012		2.0±0.2	2.5±0.2	1.2±0.1	1.8±0.2	0.6±0.1	2.8REF	2.0REF	1.2REF	NEW

Electrical Characteristics:

TEST CONDITION: AT 25oC: 1.0MHz/0.1V

PART NO.	L(0A) (uH±20%)	I _{rms} (Amperes)	I _{sat} (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX	VISHAY P/N
TSM252012-R24M	0.24	7.5	8.1	11.0	15.0	No correspond P/N
TSM252012-R33M	0.33	6.0	7.2	15.0	20.0	No correspond P/N
TSM252012-R47M	0.47	4.5	5.6	22.0	26.0	No correspond P/N
TSM252012-R68M	0.68	4.3	4.9	29.0	35.0	No correspond P/N
TSM252012-1R0M	1.0	3.4	3.8	45.0	58.0	No correspond P/N
TSM252012-1R5M	1.5	2.8	3.2	60.0	72.0	No correspond P/N
TSM252012-2R2M	2.2	2.6	2.8	85.0	102	No correspond P/N
TSM252012-3R3M	3.3	2.1	2.5	130	156	No correspond P/N
TSM252012-4R7M	4.7	1.6	2.0	185	222	No correspond P/N
TSM252012-6R8M	6.8	1.5	1.6	260	312	No correspond P/N

以上为新品。

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Mechanical dimension: (Unit: mm)

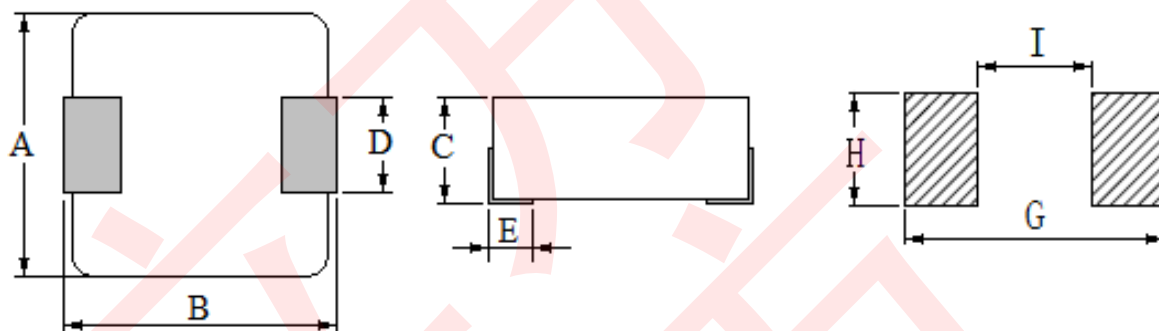


图 2

Mechanical dimension and packing:

系 列	尺寸	A	B	C	D	E	G	H	I	Packing (Pcs/Reel)
TSM0412		4.0±0.3	4.5±0.3	1.2Max	1.5±0.3	0.8±0.3	5.0REF	2.3REF	1.7REF	3000
TSM0415		4.0±0.3	4.5±0.3	1.5Max	1.5±0.3	0.8±0.3	5.0REF	2.3REF	1.7REF	3000
TSM0420		4.0±0.3	4.5±0.3	2.0Max	1.5±0.3	0.8±0.3	5.0REF	2.3REF	1.7REF	3000
TSM0520		4.7±0.3	5.3±0.4	2.0Max	2.0±0.5	1.0±0.5	6.0REF	2.8REF	2.0REF	3000
TSM0530		4.7±0.3	5.3±0.4	3.0Max	2.0±0.5	1.0±0.5	6.0REF	2.8REF	2.0REF	2000
TSM0550		4.7±0.3	5.3±0.4	5.0Max	2.0±0.5	1.0±0.5	6.0REF	2.8REF	2.0REF	1500
TSM0620		6.0±0.3	6.5±0.5	2.0Max	2.5±0.5	1.3±0.5	7.2REF	3.2REF	3.0REF	2000
TSM0630		6.0±0.3	6.5±0.5	3.0Max	2.5±0.5	1.3±0.5	7.2REF	3.2REF	3.0REF	1000
TSM0640		6.0±0.3	6.5±0.5	4.0Max	2.5±0.5	1.3±0.5	7.2REF	3.2REF	3.0REF	1000
TSM0618		6.6±0.3	7.2±0.5	1.8Max	3.0±0.5	1.6±0.5	8.0REF	3.8REF	3.7REF	2000
TSM0620		6.6±0.3	7.2±0.5	2.0Max	3.0±0.5	1.6±0.5	8.0REF	3.8REF	3.7REF	2000
TSM0624		6.6±0.3	7.2±0.5	2.4Max	3.0±0.5	1.6±0.5	8.0REF	3.8REF	3.7REF	2000
TSM0630		6.6±0.3	7.2±0.5	3.0Max	3.0±0.5	1.6±0.5	8.0REF	3.8REF	3.7REF	1000
TSM0640		6.6±0.3	7.2±0.5	4.0Max	3.0±0.5	1.6±0.5	8.0REF	3.8REF	3.7REF	1000
TSM0650		6.6±0.3	7.2±0.5	5.0Max	3.0±0.5	1.6±0.5	8.0REF	3.8REF	3.7REF	1000

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Mechanical dimension: (Unit: mm)

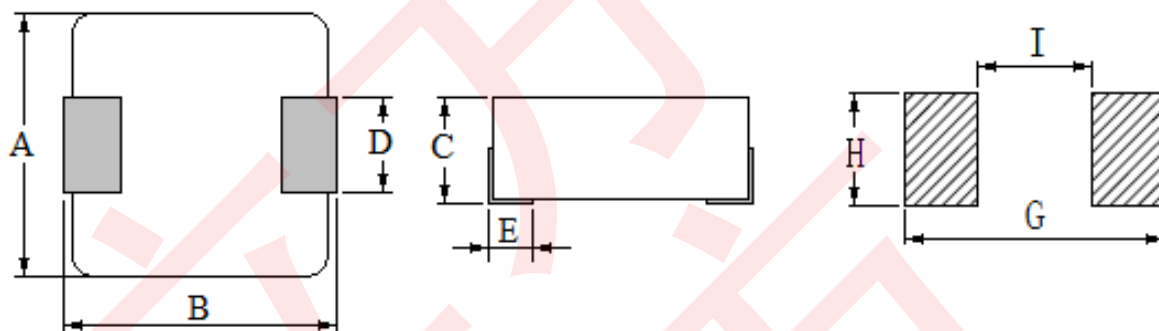


图 2

Mechanical dimension and packing:

系 列	尺寸	A	B	C	D	E	G	H	I	Packing (Pcs/Reel)
TSM0850		7.2±0.3	7.8±0.5	5.0Max	3.0±0.5	1.6±0.5	8.8REF	3.8REF	4.0REF	1000
TSM1040		10±0.5	11.5±1.0	4.0Max	3.0±0.5	2.2±0.5	13.0REF	3.8REF	6.0REF	1000
TSM1045		10±0.5	11.5±1.0	4.5Max	3.0±0.5	2.2±0.5	13.0REF	3.8REF	6.0REF	800
TSM1050		10±0.5	11.5±1.0	5.0Max	3.0±0.5	2.2±0.5	13.0REF	3.8REF	6.0REF	800
TSM1235		12.8±0.5	13.5±1.0	4.0Max	3.8±0.5	2.5±0.5	14.5REF	5.0REF	7.8REF	500
TSM1250		12.8±0.5	13.5±1.0	5.0Max	3.8±0.5	2.5±0.5	14.5REF	5.0REF	7.8REF	500
TSM1265		12.8±0.5	13.5±1.0	6.5Max	3.8±0.5	2.5±0.5	14.5REF	5.0REF	7.8REF	400
TSM1770		17.2Max	18.0±0.5	7.2Max	11.9±0.3	2.7±0.5	19.5REF	13REF	11REF	300
TSM1770A		17.2Max	18.0±0.5	7.2Max	11.9±0.3	2.7±0.5	19.5REF	13REF	11REF	300



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Electrical Characteristics: TEST CONDITION: AT 25oC: 100KHz/0.1V

PART NO.	L(0A) (uH±20%)	Irms (Amperes)	Isat (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX	VISHAY P/N
TSM0412-R47M	0.47	4.5	6.0	24.0	30.0	IHLP1616ABERR47M11
TSM0412-R68M	0.68	3.5	5.0	36.0	41.0	
TSM0412-1R0M	1.0	2.5	5.0	60.0	79.0	IHLP1616ABER1R0M11
TSM0412-1R5M	1.5	2.0	3.5	74.0	80.0	IHLP1616ABER1R5M11
TSM0412-2R2M	2.2	2.0	3.0	96.0	110.0	IHLP1616ABER2R2M11
TSM0415-R47M	0.47	5.0	9.0	20.0	27.0	
TSM0415-1R0M	1.0	4.0	6.0	39.0	50.0	
TSM0415-1R5M	1.5	3.5	5.5	48.0	63.0	
TSM0415-2R2M	2.2	2.5	4.0	67.0	86.0	
TSM0415-3R3M	3.3	2.0	3.5	116.0	156.0	
TSM0420-R10M	0.10	12.0	25.0	5.5	8.0	IHLP1616BZERR10M11
TSM0420-R22M	0.22	10.0	14.0	6.3	10.0	IHLP1616BZERR22M11
TSM0420-R36M	0.36	8.0	11.0	8.6	12.0	
TSM0420-R47M	0.47	7.0	9.5	11.0	14.0	IHLP1616BZERR47M11
TSM0420-R56M	0.56	6.5	9.0	13.0	20.0	
TSM0420-1R0M	1.0	4.5	7.0	21.0	28.0	IHLP1616BZER1R0M11
TSM0420-1R2M	1.2	4.0	7.0	23.0	32.0	
TSM0420-1R5M	1.5	4.0	6.0	28.0	38.0	IHLP1616BZER1R5M11
TSM0420-2R2M	2.2	3.0	5.0	42.0	52.0	IHLP1616BZER2R2M11
TSM0420-3R3M	3.3	2.5	4.0	60.0	80.0	
TSM0420-4R7M	4.7	2.0	3.0	118.0	150.0	IHLP1616BZER4R7M11
TSM0420-5R6M	5.6	1.8	2.0	126.0	150.0	
TSM0420-6R8M	6.8	1.8	2.0	130.0	170.0	
TSM0420-100M	10.0	1.5	2.0	225.0	280.0	
TSM0515-1R0M	1.0	4.0	6.0	31.0	40.0	
TSM0515-1R5M	1.5	3.8	5.8	49.0	68.0	
TSM0515-2R2M	2.2	3.5	5.5	62.0	85.0	
TSM0515-3R3M	3.3	3.5	4.5	93.0	120.0	
TSM0515-4R7M	4.7	2.0	3.0	156.0	200.0	
TSM0520-R47M	0.47	8.0	12.5	10.5	15.0	IHLP2020BZERR47M01
TSM0520-R68M	0.68	7.0	10.0	14.0	20.0	IHLP2020BZERR68M01
TSM0520-1R0M	1.0	6.0	8.0	15.0	21.0	IHLP2020BZER1R0M01
TSM0520-1R2M	1.2	5.0	8.0	17.0	27.0	
TSM0520-1R5M	1.5	4.0	6.0	20.0	26.0	
TSM0520-2R2M	2.2	3.5	6.0	32.0	42.0	IHLP2020BZER2R2M01
TSM0520-3R3M	3.3	3.5	5.5	44.0	58.0	IHLP2020BZER3R3M01
TSM0520-4R7M	4.7	3.2	4.5	68.0	90.0	IHLP2020BZER4R7M01
TSM0520-5R6M	5.6	3.0	4.0	75.0	97.0	IHLP2020BZER5R6M01
TSM0520-6R8M	6.8	2.0	3.5	96.0	130.0	IHLP2020BZER6R8M01
TSM0520-100M	10.0	2.0	3.0	170.0	221.0	IHLP2020BZER100M01



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Electrical Characteristics: TEST CONDITION: AT 25oC: 100KHz/0.1V

PART NO.	L(0A) (uH±20%)	Irms (Amperes)	Isat (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX	VISHAY P/N
TSM0530-R68M	0.68	8.5	14.0	11.0	12.0	
TSM0530-1R0M	1.0	7.0	11.0	13.0	14.0	IHLP2020CZER1R0M11
TSM0530-1R5M	1.5	6.0	10.0	20.0	25.0	IHLP2020CZER1R5M11
TSM0530-2R2M	2.2	5.5	9.0	26.0	38.0	IHLP2020CZER2R2M11
TSM0530-3R3M	3.3	5.0	7.0	30.0	42.0	IHLP2020CZER3R3M11
TSM0530-4R7M	4.7	4.0	6.0	46.0	60.0	IHLP2020CZER4R7M11
TSM0530-5R6M	5.6	4.0	5.5	62.0	79.0	IHLP2020CZER5R6M11
TSM0530-6R8M	6.8	3.0	5.0	66.0	86.0	
TSM0530-100M	10.0	2.0	4.0	115.0	150.0	IHLP2020CZER100M11
TSM0550-100M	10.0	2.5	4.5	80.0	103.0	
TSM0550-150M	15.0	2.0	4.0	140.0	180.0	
TSM0550-220M	22.0	1.5	2.5	180.0	230.0	
TSM0550-330M	33.0	1.5	2.0	345.0	445.0	
TSM0550-470M	47.0	1.0	2.0	404.0	527.0	
TSM0550-560M	56.0	0.8	1.0	456.0	600.0	
TSMA620-1R0M	1.0	6.0	8.0	14.0	20.0	
TSMA620-1R5M	1.5	5.0	7.0	20.0	27.0	
TSMA620-2R2M	2.2	4.0	6.0	27.0	35.0	
TSMA620-3R3M	3.3	3.5	5.0	49.0	65.0	
TSMA620-4R7M	4.7	3.0	4.5	65.0	90.0	
TSMA620-6R8M	6.8	2.5	4.0	106.0	139.0	
TSMA620-100M	10.0	2.0	3.5	180.0	240.0	
TSMA630-R68M	0.68	11.0	16.0	12.0	16.0	
TSMA630-1R5M	1.5	9.0	12.0	16.0	22.0	
TSMA630-2R2M	2.2	8.0	11.0	17.0	20.0	
TSMA630-2R7M	2.7	6.0	8.0	25.0	34.0	
TSMA630-3R3M	3.3	5.0	7.0	32.0	45.0	
TSMA630-4R7M	4.7	5.5	7.0	34.0	45.0	
TSMA630-5R6M	5.6	4.0	6.0	54.0	70.0	
TSMA630-6R8M	6.8	5.0	7.0	63.0	84.0	
TSMA630-100M	10.0	4.0	6.0	75.0	100.0	
TSMA640-150M	15.0	3.0	4.0	96.0	120.0	
TSMA640-180M	18.0	2.0	3.0	120.0	160.0	
TSMA640-220M	22.0	2.0	3.0	125.0	170.0	
TSMA640-470M	47.0	1.5	2.0	260.0	345.0	



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PART NO.	L(0A) (uH±20%)	Irms (Amperes)	Isat (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX	VISHAY P/N
TSM0618-1R0M	1.0	7.0	14.0	22.0	25.0	IHLP2525AHER1R0M01
TSM0618-1R5M	1.5	5.5	12.0	32.0	36.0	IHLP2525AHER1R5M01
TSM0618-2R2M	2.2	4.0	11.0	41.0	46.0	IHLP2525AHER2R2M01
TSM0618-3R3M	3.3	3.5	8.0	71.0	80.0	IHLP2525AHER3R3M01
TSM0618-4R7M	4.7	3.5	5.0	75.0	100.0	IHLP2525AHER4R7M01
TSM0618-5R6M	5.6	2.8	3.8	99.0	120.0	
TSM0618-6R8M	6.8	2.8	3.5	99.0	120.0	
TSM0620-1R0M	1.0	7.0	14.0	16.0	21.0	
TSM0620-1R5M	1.5	7.0	10.0	17.0	22.0	
TSM0620-2R2M	2.2	5.0	8.0	23.0	28.0	
TSM0620-3R3M	3.3	4.0	7.0	31.0	39.0	
TSM0620-4R7M	4.7	3.5	5.5	41.0	50.0	
TSM0620-5R6M	5.6	3.0	4.5	87.0	115.0	
TSM0620-6R8M	6.8	2.5	4.0	110.0	132.0	
TSM0620-8R2M	8.2	2.2	3.5	168.0	217.0	
TSM0620-100M	10.0	2.0	3.5	191.0	220.0	
TSM0624-1R0M	1.0	9.0	12.0	11.2	13.5	IHLP2525BDER1R0M01
TSM0624-1R5M	1.5	7.0	10.0	17.0	20.0	IHLP2525BDER1R5M01
TSM0624-2R2M	2.2	5.0	8.0	23.0	28.0	IHLP2525BDER2R2M01
TSM0624-3R3M	3.3	4.0	7.0	31.0	39.0	IHLP2525BDER3R3M01
TSM0624-4R7M	4.7	3.5	5.5	41.0	50.0	IHLP2525BDER4R7M01
TSM0624-100M	10.0	2.0	3.5	91.0	120.0	IHLP2525BDER100M01
TSM0630-R10M	0.10	32.5	60.0	1.5	1.7	IHLP2525CZERR10M01
TSM0630-R15M	0.15	26.0	52.0	1.9	2.5	IHLP2525CZERR15M01
TSM0630-R20M	0.20	24.0	41.0	2.4	3.0	IHLP2525CZERR20M01
TSM0630-R22M	0.22	23.0	40.0	2.5	3.0	IHLP2525CZERR22M01
TSM0630-R33M	0.33	20.0	30.0	3.5	4.0	IHLP2525CZERR33M01
TSM0630-R47M	0.47	17.5	26.0	4.0	4.5	IHLP2525CZERR47M01
TSM0630-R68M	0.68	15.5	25.0	5.0	5.5	IHLP2525CZERR68M01
TSM0630-R82M	0.82	13.0	24.0	6.7	8.0	IHLP2525CZERR82M01
TSM0630-1R0M	1.0	11.0	22.0	9.0	10.0	IHLP2525CZER1R0M01
TSM0630-1R5M	1.5	9.0	18.0	14.0	15.5	IHLP2525CZER1R5M01
TSM0630-2R2M	2.2	8.0	14.0	18.0	20.0	IHLP2525CZER2R2M01
TSM0630-3R3M	3.3	6.0	13.5	28.0	32.0	IHLP2525CZER3R3M01
TSM0630-4R7M	4.7	5.5	10.0	37.0	40.0	IHLP2525CZER4R7M01
TSM0630-5R6M	5.6	5.0	8.0	47.0	60.0	
TSM0630-6R8M	6.8	4.5	8.0	54.0	60.0	IHLP2525CZER6R8M01
TSM0630-8R2M	8.2	4.0	7.5	64.0	68.0	IHLP2525CZER8R2M01
TSM0630-100M	10.0	3.0	7.0	102.0	105.0	IHLP2525CZER100M01



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PART NO.	L(0A) (uH±20%)	Irms (Amperes)	Isat (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX	VISHAY P/N
TSM0630A-1R0M	1.0	12.5	9.5	7.6	8.5	IHLP2525CZER1R0M11
TSM0630A-1R5M	1.5	10.5	8.0	11.7	13.5	
TSM0630A-2R2M	2.2	9.0	7.0	15.7	17.0	IHLP2525CZER2R2M11
TSM0630A-3R3M	3.3	7.0	6.5	24.8	26.8	IHLP2525CZER3R3M11
TSM0630A-4R7M	4.7	6.0	4.0	31.8	34.0	IHLP2525CZER4R7M11
TSM0630A-6R8M	6.8	5.5	4.0	44.8	46.8	IHLP2525CZER6R8M11
TSM0630A-8R2M	8.2	5.0	4.0	52.3	57.0	IHLP2525CZER8R2M11
TSM0630A-100M	10.0	4.0	3.5	67.8	72.0	IHLP2525CZER100M11
TSM0630A-220M	22.0	2.9	2.5	128.9	135.0	IHLP2525CZER220M11
TSM0640-R33M	0.33	20.0	30.0	2.0	2.5	
TSM0640-R56M	0.56	17.0	25.0	3.6	4.5	
TSM0640-R68M	0.68	13.0	15.0	3.8	4.5	
TSM0640-1R5M	1.5	10.0	19.0	13.5	16.0	
TSM0640-2R2M	2.2	8.5	16.0	15.0	18.0	
TSM0640-3R3M	3.3	7.0	13.0	21.0	25.0	
TSM0640-4R7M	4.7	6.0	10.0	23.0	30.0	
TSM0650 -R36M	0.36	21.0	25.0	3.2	3.5	
TSM0650 -R56M	0.56	20.0	18.0	3.4	3.6	
TSM0650 -R68M	0.68	18.0	17.0	3.9	4.2	
TSM0650 -R82M	0.82	16.5	16.0	4.6	4.9	
TSM0650 -1R0M	1.0	13.0	15.0	5.6	6.5	
TSM0650 -1R5M	1.5	8.0	14.0	8.5	12.0	
TSM0650 -2R2M	2.2	8.0	12.0	11.2	12.5	
TSM0650 -3R3M	3.3	7.0	8.0	19.9	20.9	
TSM0650- 4R7M	4.7	6.5	7.0	23.0	25.0	
TSM0650 -6R8M	6.8	5.0	9.0	33.0	45.0	
TSM0650-100M	10.0	4.0	5.3	61.0	80.0	
TSM0650-150M	15.0	2.5	4.0	90.0	120.0	
TSM0650 -220M	22.0	2.2	4.0	108.0	140.0	
TSM0650 -330M	33.0	2.0	4.0	160.0	210.0	
TSM0650 -470M	47.0	2.0	3.0	192.0	247.0	



TSM SERIES

Electrical Characteristics: TEST CONDITION: AT 25°C: 100KHz/0.1V

PART NO.	L(0A) (uH±20%)	I _{rms} (Amperes)	I _{sat} (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX	VISHAY P/N
TSM0850 -2R2M	2.2	9.0	14.0	10.0	12.0	
TSM0850 -6R8M	6.8	5.5	8.0	23.0	30.0	
TSM0850 -100M	10.0	4.8	7.0	37.0	65.0	
TSM0850 -220M	22.0	3.0	5.0	107.0	140.0	
TSM0850 -270M	27.0	3.0	4.5	140.0	182.0	
TSM0850 -330M	33.0	2.0	4.0	194.0	237.0	
TSM0850 -470M	47.0	2.0	3.0	206.0	247.0	
TSM0850-560M	56.0	1.8	3.0	240.0	310.0	

PART NO.	L(0A) (uH±20%)	I _{rms} (Amperes)	I _{sat} (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX	VISHAY P/N
TSM1040-R36M	0.36	30.0	50.0	1.05	1.2	IHLP4040DZERR36M11
TSM1040-R47M	0.47	25.0	37.0	1.2	1.8	IHLP4040DZERR47M11
TSM1040-R56M	0.56	25.0	33.0	1.6	2.3	IHLP4040DZERR56M11
TSM1040-R68M	0.68	18.0	30.0	2.0	3.0	
TSM1040-1R0M	1.0	18.0	28.0	3.0	3.5	IHLP4040DZER1R0M11
TSM1040-1R5M	1.5	16.0	25.0	5.0	5.8	
TSM1040-2R2M	2.2	12.0	18.0	7.0	9.0	
TSM1040-3R3M	3.3	10.0	14.0	10.8	12.8	
TSM1040-4R7M	4.7	8.0	14.0	15.0	18.0	IHLP4040DZER4R7M11
TSM1040-5R6M	5.6	7.5	14.0	20.0	23.0	
TSM1040-6R8M	6.8	6.5	9.0	22.5	25.0	IHLP4040DZER6R8M11
TSM1040-100M	10.0	6.0	8.0	27.5	35.0	IHLP4040DZER100M11
TSM1040-150M	15.0	3.6	6.0	53.0	70.0	IHLP4040DZER150M11
TSM1040-220M	22.0	4.0	6.0	73.0	92.0	IHLP4040DZER220M11
TSM1040-330M	33.0	3.0	5.0	136.0	177.0	IHLP4040DZER330M11
TSM1040-470M	47.0	3.0	4.5	145.0	180.0	IHLP4040DZER470M11
TSM1040-101M	100.0	2.5	2.25	249.0	270.0	IHLP4040DZER101M11

TSM1050-5R2M	5.2	5.5	10.0	16.0	21.0	
TSM1050-150M	15.0	3.6	6.0	39.0	52.0	
TSM1050-220M	22.0	4.0	6.0	73.0	92.0	
TSM1050-330M	33.0	3.0	5.0	107.0	120.0	
TSM1050-470M	47.0	3.0	4.0	160.0	210.0	
TSM1050-680M	68.0	3.0	4.0	240.0	300.0	
TSM1050-101M	100.0	2.0	3.0	320.0	400.0	



TSM SERIES

Electrical Characteristics: TEST CONDITION: AT 25oC: 100KHz/0.1V

PART NO.	L(0A) (uH±20%)	Irms (Amperes)	Isat (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX	VISHAY P/N
TSM1235-R22M	0.22	38.0	65.0	1.1	1.3	IHLP5050CEERR22M01
TSM1235-R33M	0.33	36.5	62.0	1.3	1.5	IHLP5050CEERR33M01
TSM1235-R39M	0.39	34.0	60.0	1.1	1.3	
TSM1235-R47M	0.47	32.0	55.0	1.7	2.0	IHLP5050CEERR47M01
TSM1235-R56M	0.56	29.0	51.0	1.8	2.2	
TSM1235-R62M	0.62	29.0	51.0	1.8	2.2	IHLP5050CEERR60M01
TSM1235-R68M	0.68	28.0	49.0	2.3	2.5	IHLP5050CEERR68M01
TSM1235-1R0M	1.0	24.0	40.0	3.3	3.5	IHLP5050CEER1R0M01
TSM1235-1R5M	1.5	19.0	35.0	5.1	5.5	IHLP5050CEER1R5M01
TSM1235-2R2M	2.2	16.0	29.0	7.2	8.0	IHLP5050CEER2R2M01
TSM1235-3R3M	3.3	12.0	27.0	10.0	12.0	IHLP5050CEER3R3M01
TSM1235-4R7M	4.7	11.0	20.0	17.0	26.0	IHLP5050CEER4R7M01
TSM1250-R22M	0.22	51.0	110.0	0.64	0.8	
TSM1250-R33M	0.33	42.0	80.0	0.85	1.1	
TSM1250-R36M	0.36	41.0	75.0	0.77	1.1	
TSM1250-R47M	0.47	38.0	65.0	1.1	1.3	IHLP5050EZERR47M01
TSM1250-R56M	0.56	36.0	55.0	1.2	1.5	IHLP5050EZERR56M01
TSM1250-R68M	0.68	34.0	54.0	1.5	1.7	IHLP5050EZERR68M01
TSM1250-R82M	0.82	31.0	53.0	1.8	2.1	IHLP5050EZERR82M01
TSM1250-1R0M	1.0	29.0	50.0	2.1	2.5	IHLP5050EZER1R0M01
TSM1250-1R2M	1.2	25.0	49.0	2.6	3.0	
TSM1250-1R5M	1.5	23.0	48.0	3.4	4.1	IHLP5050EZER1R5M01
TSM1250-2R2M	2.2	20.0	32.0	4.6	5.5	IHLP5050EZER2R2M01
TSM1250-3R3M	3.3	15.0	32.0	7.7	9.2	IHLP5050EZER3R3M01
TSM1250-4R7M	4.7	12.0	27.0	12.8	15.0	IHLP5050EZER4R7M01
TSM1250-6R8M	6.8	11.0	21.0	15.4	18.5	IHLP5050EZER6R8M01
TSM1250-100M	10.0	7.0	11.0	21.0	28.0	IHLP5050EZER100M01
TSM1250-150M	15.0	6.0	9.0	32.0	41.0	
TSM1250-220M	22.0	4.0	6.0	51.0	66.0	
TSM1250-330M	33.0	4.0	6.0	65.0	84.0	
TSM1250-470M	47.0	3.0	5.0	85.0	110.0	
TSM1250-560M	56.0	2.0	4.0	143.0	190.0	
TSM1250-680M	68.0	1.5	3.5	154.0	200.0	



TSM SERIES

Electrical Characteristics: TEST CONDITION: AT 25°C: 100KHz/0.1V

PART NO.	L(0A) (uH±20%)	I _{rms} (Amperes)	I _{sat} (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX	VISHAY P/N
TSM1265-R10M	0.10	60.0	120.0	0.47	0.52	IHLP5050FDERR10M01
TSM1265-R15M	0.15	55.0	118.0	0.53	0.6	IHLP5050FDERR15M01
TSM1265-R22M	0.22	53.0	112.0	0.64	0.72	IHLP5050FDERR22M01
TSM1265-R30M	0.30	48.0	72.0	0.70	0.8	HLP5050FDERR30M01
TSM1265-R33M	0.33	46.0	65.0	0.83	0.92	IHLP5050FDERR33M01
TSM1265-R36M	0.36	45.0	64.5	0.83	0.95	
TSM1265-R40M	0.40	44.0	64.0	0.90	1.0	IHLP5050FDERR40M01
TSM1265-R47M	0.47	41.0	63.0	1.00	1.2	IHLP5050FDERR47M01
TSM1265-R56M	0.56	37.0	62.0	1.20	1.4	IHLP5050FDERR56M01
TSM1265-R68M	0.68	35.0	60.0	1.40	1.6	IHLP5050FDERR68M01
TSM1265-R80M	0.80	34.0	52.0	1.55	1.85	
TSM1265-R82M	0.82	33.0	50.0	1.60	1.9	IHLP5050FDERR82M01
TSM1265-1R0M	1.0	32.0	49.0	1.70	2.0	IHLP5050FDER1R0M01
TSM1265-1R2M	1.2	30.0	48.0	2.10	2.5	IHLP5050FDER1R2M01
TSM1265-1R5M	1.5	27.0	45.0	2.50	3.0	IHLP5050FDER1R5M01
TSM1265-1R8M	1.8	24.0	40.0	2.80	3.2	IHLP5050FDER1R8M01
TSM1265-2R2M	2.2	18.0	36.0	3.70	4.6	IHLP5050FDER2R2M01
TSM1265-3R3M	3.3	16.0	32.0	5.80	7.1	IHLP5050FDER3R3M01
TSM1265-4R7M	4.7	13.5	30.0	8.00	8.9	HLP5050FDER4R7M01
TSM1265-5R6M	5.6	12.0	24.0	9.00	11.5	IHLP5050FDER5R6M01
TSM1265-6R8M	6.8	11.5	16.5	13.1	14.0	IHLP5050FDER6R8M01
TSM1265-7R8M	7.8	10.7	16.3	13.5	15.0	
TSM1265-8R2M	8.2	10.5	16.0	14.5	15.5	IHLP5050FDER8R2M01
TSM1265-100M	10.0	9.5	15.0	16.5	17.5	IHLP5050FDER100M01
TSM1265-150M	15.0	7.0	9.5	28.0	31.0	
TSM1265-180M	18.0	6.0	9.0	30.5	38.0	
TSM1265-220M	22.0	5.0	8.0	33.5	36.0	
TSM1265-330M	33.0	4.0	6.0	48.0	57.0	
TSM1265-470M	47.0	3.5	5.0	57.5	75.0	
TSM1265-560M	56.0	3.2	4.5	74.0	95.0	
TSM1265-680M	68.0	3.0	4.0	113.0	148.0	
TSM1265-101M	100.0	2.5	3.8	240.0	310.0	
TSM1265-151M	150.0	2.0	3.5	282.0	340.0	



TSM SERIES

Electrical Characteristics: TEST CONDITION: AT 25oC: 100KHz/0.1V

PART NO.	L(0A) (uH±20%)	Irms (Amperes)	Isat (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX	VISHAY P/N
TSM1770-R33M	0.33	75.5	55.0	0.61	0.67	IHLP6767GZERR33M11
TSM1770-R47M	0.47	64.5	62.0	0.78	0.87	IHLP6767GZERR47M11
TSM1770-R56M	0.56	61.0	66.0	0.83	0.91	IHLP6767GZERR56M11
TSM1770-R82M	0.82	56.5	45.0	0.98	1.08	IHLP6767GZERR82M11
TSM1770-1R0M	1.0	55.5	32.0	1.21	1.27	IHLP6767GZER1R0M11
TSM1770-1R5M	1.5	48.0	31.0	1.54	1.62	IHLP6767GZER1R5M11
TSM1770-2R2M	2.2	43.5	28.0	1.85	1.98	IHLP6767GZER2R2M11
TSM1770-3R3M	3.3	35.0	27.0	2.79	2.93	IHLP6767GZER3R3M11
TSM1770-4R7M	4.7	30.0	21.0	3.98	4.18	IHLP6767GZER4R7M11
TSM1770-5R6M	5.6	28.0	21.0	4.23	4.44	IHLP6767GZER5R6M11
TSM1770-6R8M	6.8	22.5	18.5	5.86	6.15	IHLP6767GZER6R8M11
TSM1770-8R2M	8.2	21.0	18.0	7.71	8.10	IHLP6767GZER8R2M11
TSM1770-100M	10.0	19.0	17.0	8.89	9.33	IHLP6767GZER100M11
TSM1770-150M	15.0	14.0	12.0	13.7	14.4	IHLP6767GZER150M11
TSM1770-220M	22.0	12.0	9.5	20.0	21.0	IHLP6767GZER220M11
TSM1770-330M	33.0	10.7	9.0	35.1	37.0	IHLP6767GZER330M11
TSM1770-470M	47.0	8.7	8.6	40.7	42.7	IHLP6767GZER470M11
TSM1770-560M	56.0	7.2	4.2	55.0	57.8	IHLP6767GZER560M11
TSM1770-680M	68.0	6.1	4.5	72.1	75.7	IHLP6767GZER680M11
TSM1770-820M	82.0	5.5	4.5	87.3	91.7	IHLP6767GZER820M11
TSM1770-101M	100.0	5.0	4.0	105.0	110.0	IHLP6767GZER101M11
TSM1770A-R22M	0.22	80.0	129.0	0.63	0.70	IHLP6767GZERR22M01
TSM1770A-R33M	0.33	65.0	126.0	0.71	0.79	IHLP6767GZERR33M01
TSM1770A-R47M	0.47	62.0	123.0	0.84	0.92	IHLP6767GZERR47M01
TSM1770A-R56M	0.56	56.0	88.0	0.91	1.00	IHLP6767GZERR56M01
TSM1770A-R82M	0.82	50.0	73.0	1.17	1.29	IHLP6767GZERR82M01
TSM1770A-1R0M	1.0	48.0	73.0	1.28	1.35	IHLP6767GZER1R0M01
TSM1770A-1R5M	1.5	42.0	65.0	1.78	1.88	IHLP6767GZER1R5M01
TSM1770A-1R8M	1.8	38.0	65.0	1.96	2.07	IHLP6767GZER1R8M01
TSM1770A-2R2M	2.2	35.0	62.0	2.40	2.53	IHLP6767GZER2R2M01
TSM1770A-3R3M	3.3	28.0	54.0	3.68	3.88	IHLP6767GZER3R3M01
TSM1770A-4R7M	4.7	25.0	41.0	4.84	5.11	IHLP6767GZER4R7M01
TSM1770A-5R6M	5.6	21.0	40.0	6.68	7.05	IHLP6767GZER5R6M01
TSM1770A-6R8M	6.8	19.0	32.0	8.40	8.83	IHLP6767GZER6R8M01
TSM1770A-8R2M	8.2	18.0	25.0	10.10	10.66	IHLP6767GZER8R2M01
TSM1770A-100M	10.0	16.5	25.0	11.60	12.00	IHLP6767GZER100M01
TSM1770A-150M	15.0	12.5	25.0	18.80	19.90	IHLP6767GZER150M01
TSM1770A-220M	22.0	11.0	23.0	25.10	26.50	IHLP6767GZER220M01

备注：上表中未列出的型号规格，请电话联系我们的咨询。