

Molding High Current Carbonyl-TRMC-SC Series

The TRMC-SC series is designed with a low-profile form factor, featuring low DC resistance (RDC) and ultra-high current capacity. Its molded, magnetically shielded construction is suitable for high-density mounting and produces ultra-low buzzing noise. Soldering conditions can be easily verified during board mounting. This series is also available with embossed carrier tape packaging for automatic mounting machines.



Features

- 100% Lead(Pb)-Free and RoHS compliant
- High current, low DCR, high efficiency
- Low core loss
- Ultra low buzz noise

Applications

- Laptops and PCs
- Switch and servers
- Base stations
- DC/DC converters

Operating Temp

- -55°C~+125°C

Product Identification



1	Product Symbol
TRMC	SMD Power Inductor

3	Internal Code
SC	Carbonyl Powder

2	External Dimensions(mm)
030302	3.4*3.2*1.8
040402	4.4*4.2*1.8
060502	5.7*5.2*1.8
060503	5.7*5.2*2.8
070718	7.3*6.6*1.6
070724	7.3*6.6*2.2
070703	7.3*6.6*2.8
070705	7.3*6.6*4.8
111003	11.0*10*2.8
111004	11.0*10*3.8
141335	13.5*12.6*3.3
141305	13.5*12.6*4.7
141306	13.5*12.6*5.7
141365	13.5*12.6*6.2
181707	17.5*17.0*7.0

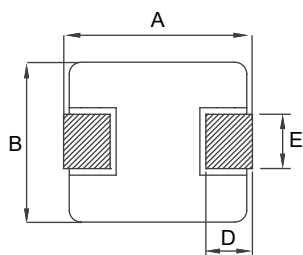
4	Nominal Inductance
R47	0.47μH
1R0	1.0μH

5	Inductance Tolerance
M	±20%
N	±30%

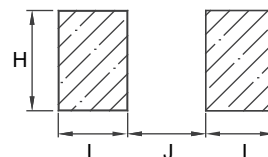
6	Packing
T	Tape Carrier Package

7	Internal Code
A	Standard

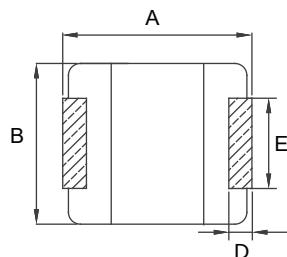
Shape and Dimensions



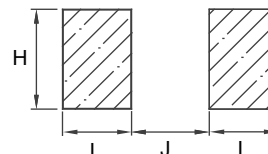
Recommended pattern



Remark:TRMC030302SC~TRMC141365SC



Recommended pattern



Remark:TRMC181707SC

Dimensions

Unit:mm

Series	A	B	C	D	F	H Typ.	I Typ.	J Typ.
TRMC030302SC	3.4±0.3	3.2±0.3	1.8±0.2	0.7±0.2	1.2±0.2	1.45	1.1	1.9
TRMC040402SC	4.4±0.35	4.2±0.25	1.8±0.2	0.8±0.3	2.0±0.3	2.5	1.5	2.2
TRMC060502SC	5.7±0.3	5.2±0.2	1.8±0.2	1.2±0.2	2.0±0.3	2.5	1.9	2.2
TRMC060503SC	5.7±0.3	5.2±0.2	2.8±0.2	1.2±0.2	2.0±0.3	2.5	1.9	2.2
TRMC070718SC	7.3±0.3	6.6±0.3	1.6±0.2	1.6±0.3	3.0±0.3	3.5	2.35	3.7
TRMC070724SC	7.3±0.3	6.6±0.3	2.2±0.2	1.6±0.3	3.0±0.3	3.5	2.35	3.7
TRMC070703SC	7.3±0.3	6.6±0.3	2.8±0.2	1.6±0.3	3.0±0.3	3.5	2.35	3.7
TRMC070705SC	7.3±0.3	6.6±0.3	4.8±0.2	1.6±0.3	3.0±0.3	3.5	2.35	3.7
TRMC111003SC	11.0±0.5	10.0±0.3	2.8±0.2	2.0±0.5	3.0±0.5	4.1	4.1	5.4
TRMC111004SC	11.0±0.5	10.0±0.3	3.8±0.2	2.0±0.5	3.0±0.5	4.1	4.1	5.4
TRMC141335SC	13.5±0.5	12.6±0.3	3.3±0.2	2.0±0.5	See Remarks	5.0	3.1	8.0
TRMC141305SC	13.5±0.5	12.6±0.3	4.7±0.3	2.0±0.5	See Remarks	5.0	3.1	8.0
TRMC141306SC	13.5±0.5	12.6±0.3	5.7±0.3	2.0±0.5	See Remarks	5.0	3.1	8.0
TRMC141365SC	13.5±0.5	12.6±0.3	6.2±0.3	2.0±0.5	See Remarks	5.0	3.1	8.0
TRMC181707SC	17.5±0.5	17.0±0.3	7.0Max.	2.5±0.5	12±0.3	12.8	3.5	11.2

Remarks:

Series	E (mm)	Inductance
TRMC141335SC	3.85±0.5	R47/R68/R82
	4.7±0.5	1R0/1R5/2R2/3R3/4R7/5R6/6R8/8R2/100/150/220/330/470
TRMC141305SC	3.85±0.5	R33/R47/R56/R68/R82/1R0/1R5
	4.7±0.5	2R2/3R3/4R7/6R8/8R2/100/150/220/330
TRMC141306SC	3.85±0.5	R47/R68/1R0/1R5
	4.7±0.5	2R2/3R3/4R7/6R8/8R2/100/150/220/330/470/680/820/101/121/151
TRMC141365SC	3.85±0.5	R47/R68/1R0/1R5
	4.7±0.5	2R2/3R3/4R7/6R8/8R2/100/150/220/330/470/680

Specification

TRMC030302SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC030302SCR33MTA	0.33	10.00	8.00	21.00
TRMC030302SCR47MTA	0.47	9.00	7.00	23.00
TRMC030302SCR68MTA	0.68	7.00	5.50	29.00
TRMC030302SC1R0MTA	1.0	5.00	4.00	38.00
TRMC030302SC1R5MTA	1.5	4.00	3.80	50.00
TRMC030302SC2R2MTA	2.2	3.70	3.50	75.00
TRMC030302SC3R3MTA	3.3	3.50	3.00	145.00
TRMC030302SC4R7MTA	4.7	3.00	2.60	200.00
TRMC030302SC5R6MTA	5.6	2.60	2.20	238.00
TRMC030302SC6R8MTA	6.8	2.20	1.90	300.00
TRMC030302SC8R2MTA	8.2	1.90	1.60	390.00
TRMC030302SC100MTA	10	1.60	1.40	422.00

TRMC040402SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC040402SCR33MTA	0.33	18.00	10.00	8.60
TRMC040402SCR47MTA	0.47	12.00	8.00	14.00
TRMC040402SCR68MTA	0.68	10.00	7.00	19.00
TRMC040402SC1R0MTA	1.0	8.50	5.00	27.00
TRMC040402SC1R5MTA	1.5	7.00	4.50	42.00
TRMC040402SC2R2MTA	2.2	6.00	4.00	61.00
TRMC040402SC3R3MTA	3.3	4.00	3.50	76.00
TRMC040402SC4R7MTA	4.7	3.50	2.60	105.00
TRMC040402SC6R8MTA	6.8	2.80	2.10	172.00
TRMC040402SC100MTA	10	2.30	1.80	243.00

TRMC060502SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC060502SCR10MTA	0.10	45.00	18.00	4.00
TRMC060502SCR15MTA	0.15	27.00	16.00	4.60
TRMC060502SCR22MTA	0.22	25.00	15.00	5.50
TRMC060502SCR33MTA	0.33	21.30	12.00	7.30
TRMC060502SCR47MTA	0.47	18.00	11.50	8.60
TRMC060502SCR68MTA	0.68	12.80	10.00	12.40
TRMC060502SC1R0MTA	1.0	13.70	7.00	20.00
TRMC060502SC1R5MTA	1.5	9.80	5.50	30.50
TRMC060502SC2R2MTA	2.2	9.00	4.20	50.00
TRMC060502SC3R3MTA	3.3	7.30	3.30	76.00
TRMC060502SC4R7MTA	4.7	5.00	2.80	116.00
TRMC060502SC6R8MTA	6.8	3.80	2.40	150.00
TRMC060502SC8R2MTA	8.2	3.50	2.30	171.00
TRMC060502SC100MTA	10	3.40	2.30	199.00
TRMC060502SC150MTA	15	2.80	1.90	270.00
TRMC060502SC220MTA	22	1.80	1.50	390.00

TRMC060503SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC060503SCR22MTA	0.22	21.00	15.50	4.40
TRMC060503SCR33MTA	0.33	18.00	14.00	5.00
TRMC060503SCR47MTA	0.47	16.00	12.00	7.40
TRMC060503SCR68MTA	0.68	14.00	8.50	12.00
TRMC060503SCR82MTA	0.82	12.50	8.00	13.00
TRMC060503SC1R0MTA	1.0	11.00	7.00	14.00
TRMC060503SC1R5MTA	1.5	10.00	6.00	25.00
TRMC060503SC2R2MTA	2.2	9.00	5.50	35.00
TRMC060503SC3R3MTA	3.3	8.00	5.00	38.00
TRMC060503SC4R7MTA	4.7	6.00	4.60	53.00
TRMC060503SC5R6MTA	5.6	4.50	4.25	63.00
TRMC060503SC6R8MTA	6.8	4.30	4.00	76.20
TRMC060503SC100MTA	10	3.50	2.75	128.00
TRMC060503SC150MTA	15	2.60	2.10	190.00
TRMC060503SC220MTA	22	1.70	1.90	250.00

TRMC070718SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC070718SCR22MTA	0.22	26.00	16.00	3.00
TRMC070718SCR33MTA	0.33	22.00	14.00	5.80
TRMC070718SCR47MTA	0.47	18.00	12.00	7.40
TRMC070718SCR68MTA	0.68	17.00	10.00	11.00
TRMC070718SCR82MTA	0.82	15.50	8.50	14.00
TRMC070718SC1R0MTA	1.0	14.00	7.00	17.00
TRMC070718SC1R5MTA	1.5	13.00	6.00	25.20
TRMC070718SC2R2MTA	2.2	11.00	6.00	35.00
TRMC070718SC3R3MTA	3.3	9.00	5.00	46.00
TRMC070718SC4R7MTA	4.7	7.00	4.00	76.00
TRMC070718SC6R8MTA	6.8	5.50	3.00	104.00
TRMC070718SC100MTA	10	3.50	2.30	160.00

TRMC070724SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC070724SCR15MTA	0.15	45.00	30.00	2.30
TRMC070724SCR22MTA	0.22	34.00	21.00	3.20
TRMC070724SCR33MTA	0.33	30.00	18.00	4.40
TRMC070724SCR47MTA	0.47	26.00	15.00	5.10
TRMC070724SCR68MTA	0.68	21.00	13.00	7.20
TRMC070724SCR82MTA	0.82	17.00	11.00	9.50
TRMC070724SC1R0MTA	1.0	16.00	10.00	13.50
TRMC070724SC1R5MTA	1.5	15.00	9.00	20.00
TRMC070724SC2R2MTA	2.2	14.00	7.00	28.00
TRMC070724SC3R3MTA	3.3	10.00	6.00	39.00
TRMC070724SC4R7MTA	4.7	9.00	5.50	50.00
TRMC070724SC6R8MTA	6.8	7.00	4.00	72.00
TRMC070724SC100MTA	10	5.00	3.20	101.00

TRMC070703SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC070703SCR10NTA	0.10±30%	60.00	32.50	1.70
TRMC070703SCR15MTA	0.15	45.00	27.00	1.90
TRMC070703SCR22MTA	0.22	40.00	23.00	2.80
TRMC070703SCR33MTA	0.33	32.00	20.00	3.90
TRMC070703SCR47MTA	0.47	26.00	17.50	4.20
TRMC070703SCR56MTA	0.56	25.50	16.50	5.00
TRMC070703SCR68MTA	0.68	25.00	15.50	5.50
TRMC070703SCR82MTA	0.82	24.00	13.00	8.00
TRMC070703SC1R0MTA	1.0	22.00	11.00	10.00
TRMC070703SC1R5MTA	1.5	18.00	9.00	15.00
TRMC070703SC2R2MTA	2.2	14.00	8.00	20.00
TRMC070703SC3R3MTA	3.3	13.50	6.00	30.00
TRMC070703SC4R7MTA	4.7	10.00	5.50	40.00
TRMC070703SC5R6MTA	5.6	9.00	5.00	48.00
TRMC070703SC6R8MTA	6.8	8.00	4.50	60.00
TRMC070703SC8R2MTA	8.2	7.50	4.00	68.00
TRMC070703SC100MTA	10	6.00	3.50	85.00
TRMC070703SC150MTA	15	4.00	3.00	123.00
TRMC070703SC220MTA	22	3.50	2.00	190.00
TRMC070703SC330MTA	33	2.50	2.00	240.00
TRMC070703SC470MTA	47	2.00	1.75	363.00

TRMC070705SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC070705SCR22MTA	0.22	35.00	25.00	1.90
TRMC070705SCR33MTA	0.33	32.00	25.00	3.00
TRMC070705SCR47MTA	0.47	30.00	22.00	3.90
TRMC070705SCR68MTA	0.68	24.00	18.00	4.50
TRMC070705SCR82MTA	0.82	22.00	16.50	4.90
TRMC070705SC1R0MTA	1.0	20.00	15.00	6.50
TRMC070705SC1R2MTA	1.2	18.00	14.00	7.50
TRMC070705SC1R5MTA	1.5	16.50	12.00	9.00
TRMC070705SC2R2MTA	2.2	14.00	10.00	12.00
TRMC070705SC3R3MTA	3.3	12.00	8.00	20.90
TRMC070705SC4R7MTA	4.7	10.00	6.50	30.80
TRMC070705SC5R6MTA	5.6	9.00	6.00	49.00
TRMC070705SC6R8MTA	6.8	8.50	5.50	51.50
TRMC070705SC8R2MTA	8.2	8.00	5.00	63.00
TRMC070705SC100MTA	10	7.50	4.00	69.00
TRMC070705SC150MTA	15	6.00	3.50	92.00
TRMC070705SC220MTA	22	5.50	2.50	170.00
TRMC070705SC330MTA	33	3.50	2.00	200.00

TRMC111003SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC111003SC1R0MTA	1.0	20.00	15.00	6.00
TRMC111003SC3R3MTA	3.3	14.00	9.00	16.00
TRMC111003SC4R7MTA	4.7	13.00	7.00	22.50
TRMC111003SC100MTA	10	8.00	5.00	55.00

TRMC111004SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC111004SCR15MTA	0.15	90.00	48.00	0.65
TRMC111004SCR22MTA	0.22	60.00	35.00	1.00
TRMC111004SCR33MTA	0.33	60.00	31.00	1.20
TRMC111004SCR36MTA	0.36	60.00	31.00	1.20
TRMC111004SCR45MTA	0.45	45.00	29.00	1.50
TRMC111004SCR47MTA	0.47	43.00	28.00	1.50
TRMC111004SCR56MTA	0.56	40.00	25.00	1.80
TRMC111004SCR68MTA	0.68	39.00	22.00	2.70
TRMC111004SC1R0MTA	1.0	36.00	18.00	3.30
TRMC111004SC1R5MTA	1.5	33.00	16.00	4.60
TRMC111004SC2R2MTA	2.2	27.00	12.00	7.00
TRMC111004SC3R3MTA	3.3	20.00	11.00	11.80
TRMC111004SC4R7MTA	4.7	17.00	10.00	15.50
TRMC111004SC5R6MTA	5.6	14.00	9.00	19.30
TRMC111004SC6R8MTA	6.8	13.50	8.50	23.30
TRMC111004SC100MTA	10	12.00	7.50	30.00
TRMC111004SC150MTA	15	10.00	6.25	45.00
TRMC111004SC220MTA	22	7.00	5.00	74.00
TRMC111004SC330MTA	33	5.00	3.50	112.00
TRMC111004SC470MTA	47	4.50	3.00	167.00
TRMC111004SC680MTA	68	3.00	2.00	240.00

TRMC141335SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC141335SCR47MTA	0.47	55.00	32.00	2.00
TRMC141335SCR68MTA	0.68	49.00	28.00	2.50
TRMC141335SCR82MTA	0.82	44.00	25.00	3.00
TRMC141335SC1R0MTA	1.0	40.00	24.00	3.50
TRMC141335SC1R5MTA	1.5	35.00	19.00	5.50
TRMC141335SC2R2MTA	2.2	29.00	16.00	8.00
TRMC141335SC3R3MTA	3.3	27.00	12.00	12.00
TRMC141335SC4R7MTA	4.7	22.00	10.00	18.00
TRMC141335SC5R6MTA	5.6	19.00	9.50	22.00
TRMC141335SC6R8MTA	6.8	18.00	9.00	24.00
TRMC141335SC8R2MTA	8.2	16.00	8.50	28.00
TRMC141335SC100MTA	10	14.00	7.50	34.00
TRMC141335SC150MTA	15	10.00	6.50	65.00
TRMC141335SC220MTA	22	7.00	4.50	99.00
TRMC141335SC330MTA	33	6.00	3.50	160.00
TRMC141335SC470MTA	47	5.50	3.00	218.00

TRMC141305SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC141305SCR33MTA	0.33	80.00	42.00	0.90
TRMC141305SCR47MTA	0.47	65.00	38.00	1.10
TRMC141305SCR56MTA	0.56	55.00	36.00	1.50
TRMC141305SCR68MTA	0.68	54.00	34.00	1.70
TRMC141305SCR82MTA	0.82	52.00	31.00	2.10
TRMC141305SC1R0MTA	1.0	50.00	29.00	2.50

TRMC141305SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC141305SC1R5MTA	1.5	48.00	27.00	3.30
TRMC141305SC2R2MTA	2.2	32.00	20.00	5.50
TRMC141305SC3R3MTA	3.3	32.00	15.00	9.20
TRMC141305SC4R7MTA	4.7	27.00	12.00	15.00
TRMC141305SC5R6MTA	5.6	22.00	11.50	16.50
TRMC141305SC6R8MTA	6.8	21.00	11.00	18.50
TRMC141305SC8R2MTA	8.2	18.00	9.50	22.50
TRMC141305SC100MTA	10	16.00	9.00	25.50
TRMC141305SC150MTA	15	13.00	8.20	38.00
TRMC141305SC220MTA	22	10.00	6.50	58.00
TRMC141305SC330MTA	33	8.00	5.00	88.00

TRMC141306SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC141306SCR47MTA	0.47	64.00	38.00	1.30
TRMC141306SCR68MTA	0.68	57.00	33.00	1.70
TRMC141306SC1R0MTA	1.0	53.00	29.00	2.40
TRMC141306SC1R5MTA	1.5	50.00	26.00	3.20
TRMC141306SC2R2MTA	2.2	43.00	21.00	4.70
TRMC141306SC3R3MTA	3.3	35.00	17.00	7.10
TRMC141306SC4R7MTA	4.7	30.00	16.00	11.50
TRMC141306SC6R8MTA	6.8	25.00	15.00	13.80
TRMC141306SC8R2MTA	8.2	23.00	11.00	16.00
TRMC141306SC100MTA	10	21.00	11.00	20.70
TRMC141306SC150MTA	15	16.00	9.00	29.00
TRMC141306SC220MTA	22	14.00	8.00	39.50
TRMC141306SC330MTA	33	12.00	6.00	75.00
TRMC141306SC470MTA	47	11.00	5.50	90.00
TRMC141306SC680MTA	68	9.00	5.00	140.00
TRMC141306SC820MTA	82	8.50	4.50	161.00
TRMC141306SC101MTA	100	8.00	4.00	200.00
TRMC141306SC121MTA	120	7.00	3.50	235.00
TRMC141306SC151MTA	150	6.00	3.00	350.00

TRMC141365SC Series

Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC141365SCR47MTA	0.47	41.00	63.00	1.20
TRMC141365SCR68MTA	0.68	35.00	55.00	1.50
TRMC141365SC1R0MTA	1.0	30.00	48.00	2.30
TRMC141365SC1R5MTA	1.5	27.00	45.00	3.00
TRMC141365SC2R2MTA	2.2	22.00	37.00	4.20
TRMC141365SC3R3MTA	3.3	18.00	30.00	6.80
TRMC141365SC4R7MTA	4.7	13.50	28.00	8.40
TRMC141365SC6R8MTA	6.8	11.50	18.00	11.50
TRMC141365SC8R2MTA	8.2	10.50	16.00	15.50
TRMC141365SC100MTA	10	10.00	15.50	16.50
TRMC141365SC150MTA	15	9.00	13.00	28.00
TRMC141365SC220MTA	22	9.00	12.00	37.00
TRMC141365SC330MTA	33	8.00	11.00	58.00
TRMC141365SC470MTA	47	6.50	9.50	90.00
TRMC141365SC680MTA	68	4.80	7.80	130.00

TRMC181707SC Series

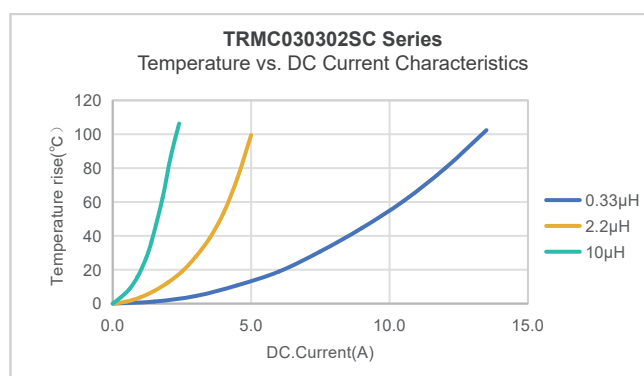
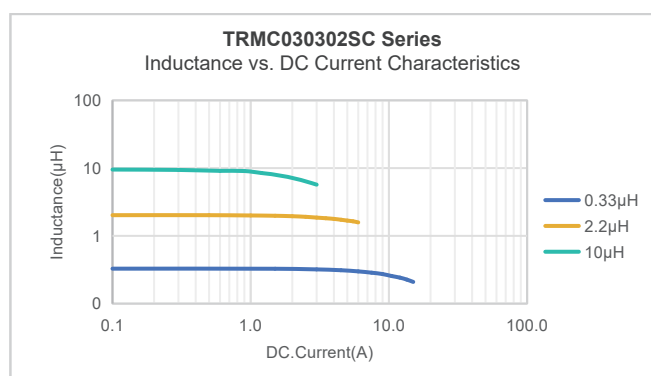
Part Number	Inductance	Saturation Current	Heating Rating Current	DC Resistance
	L0 (μH)	Isat(A)	Irms(A)	RDC(mΩ)
	±20 %	Typ.	Typ.	Max.
TRMC181707SC1R0MTA	1.0	60.00	52.00	2.00
TRMC181707SC1R5MTA	1.5	52.00	47.00	2.50
TRMC181707SC2R2MTA	2.2	47.00	43.50	2.70
TRMC181707SC3R3MTA	3.3	45.00	28.00	3.90
TRMC181707SC4R7MTA	4.7	41.00	25.00	5.50
TRMC181707SC5R6MTA	5.6	40.00	21.00	7.05
TRMC181707SC6R8MTA	6.8	32.00	19.00	9.20
TRMC181707SC8R2MTA	8.2	25.00	18.00	10.80
TRMC181707SC100MTA	10	24.00	16.50	13.00
TRMC181707SC150MTA	15	23.00	12.50	20.50
TRMC181707SC220MTA	22	18.00	12.00	26.50
TRMC181707SC330MTA	33	15.00	10.70	44.00
TRMC181707SC390MTA	39	11.00	9.20	48.00
TRMC181707SC470MTA	47	9.50	8.70	55.00
TRMC181707SC560MTA	56	9.00	7.80	62.00
TRMC181707SC680MTA	68	8.00	7.00	80.00
TRMC181707SC101MTA	100	6.50	5.30	118.00

Notes

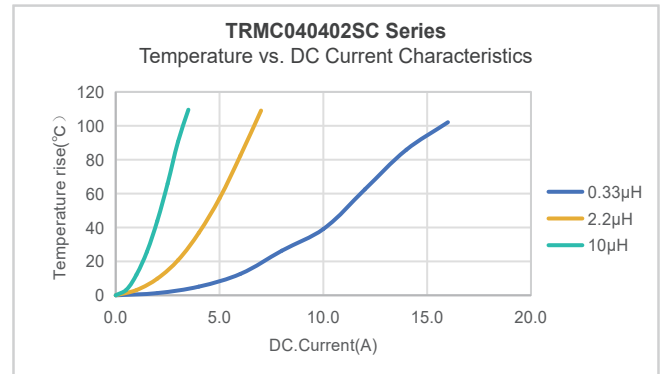
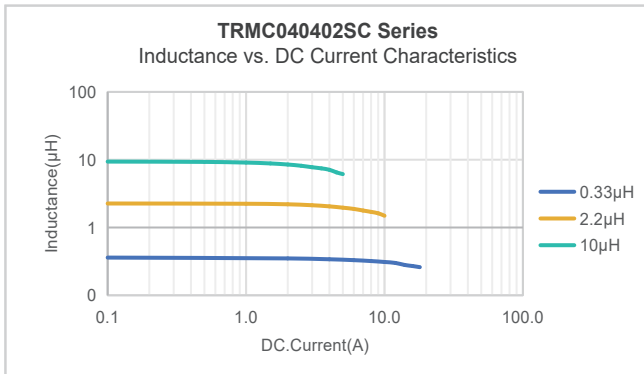
- Test frequency : L : 100KHz /0.1V;
- All test data is referenced to 25 °C ambient;
- Irms (A):DC current (A) that will cause an approximate ΔT of 40 °C(reference ambient temperature is 25 °C);
- Isat(A):DC current (A) that will cause L0 to drop approximately 30 %;
- The part temperature (ambient + temp rise) 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 affect the part temperature. Part temperature should be verified in the end application.

Typical Characteristics Curves

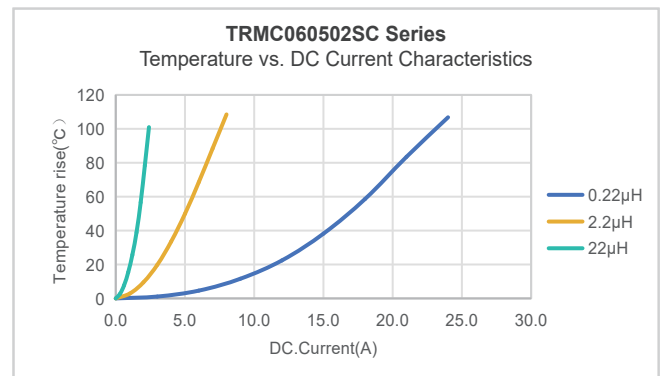
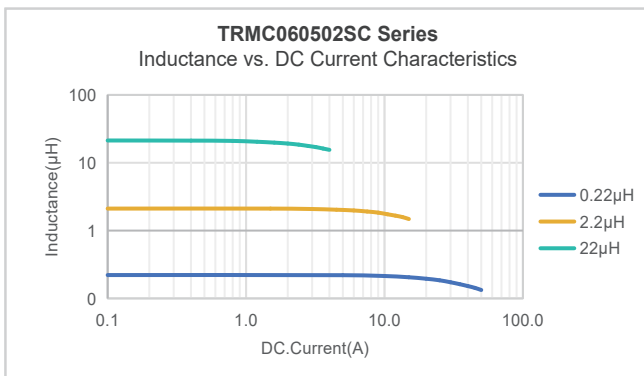
TRMC030302SC Series



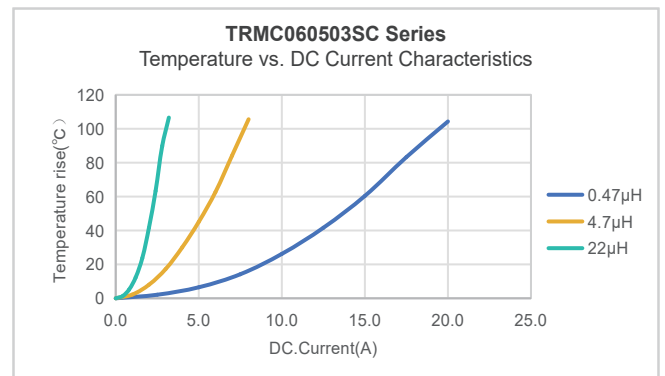
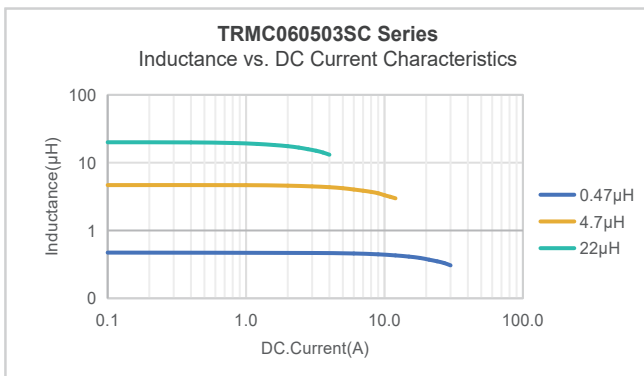
TRMC040402SC Series



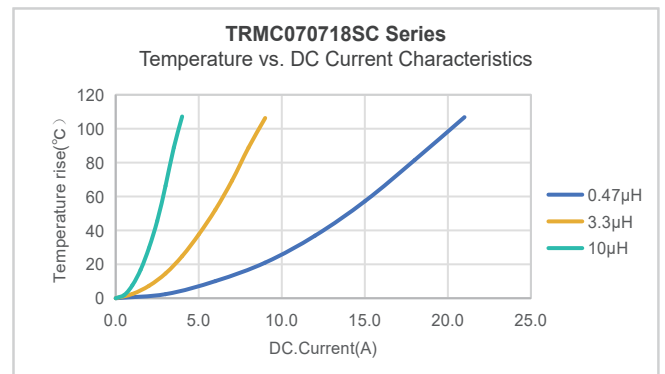
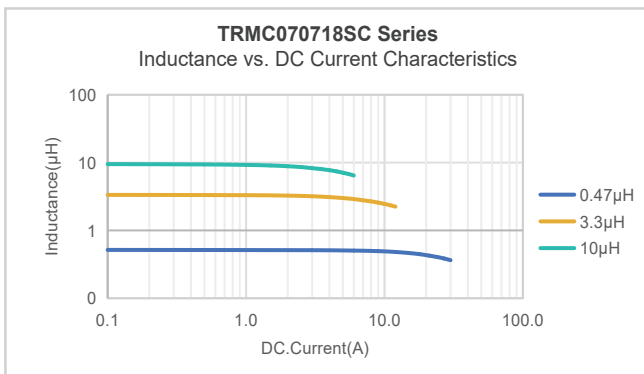
TRMC060502SC Series



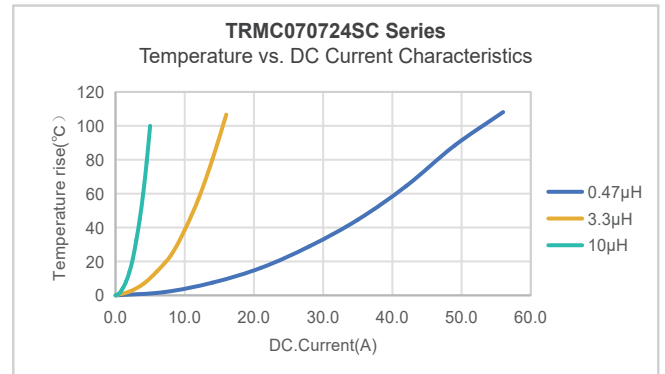
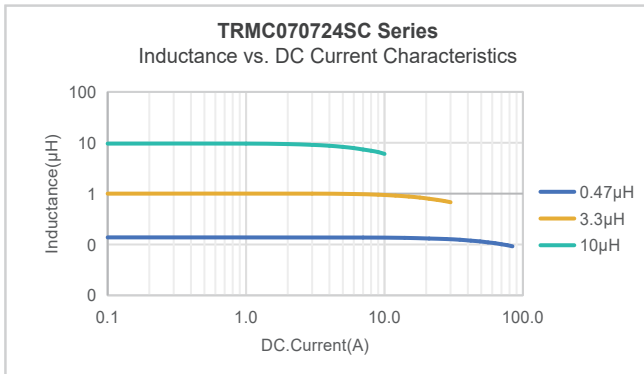
TRMC060503SC Series



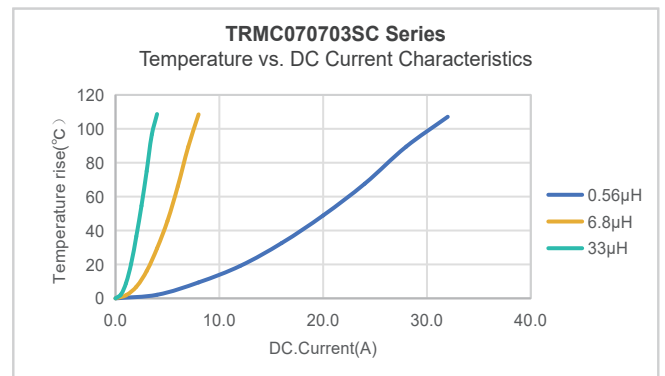
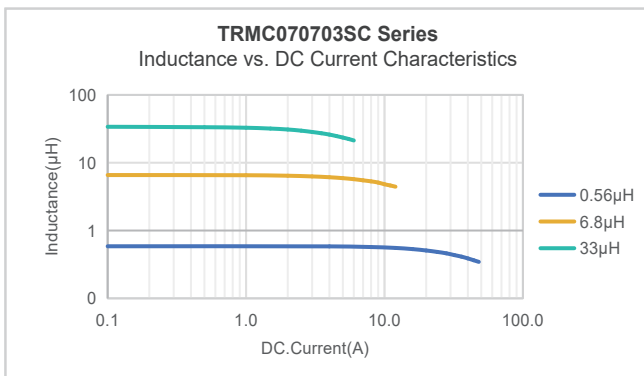
TRMC070718SC Series



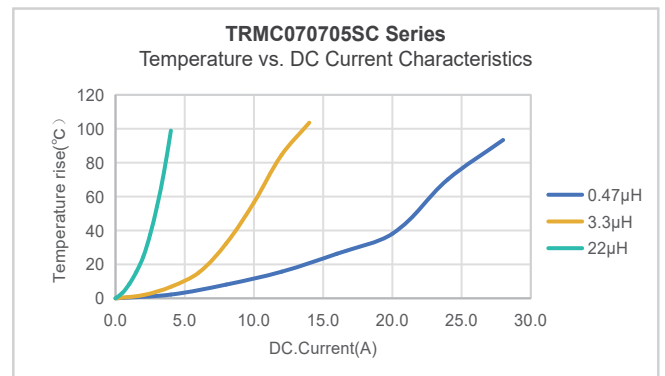
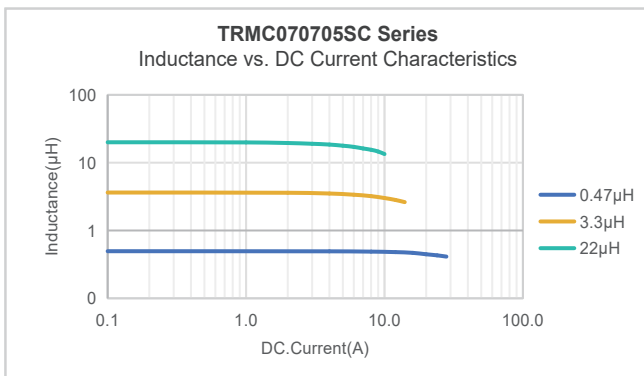
TRMC070724SC Series



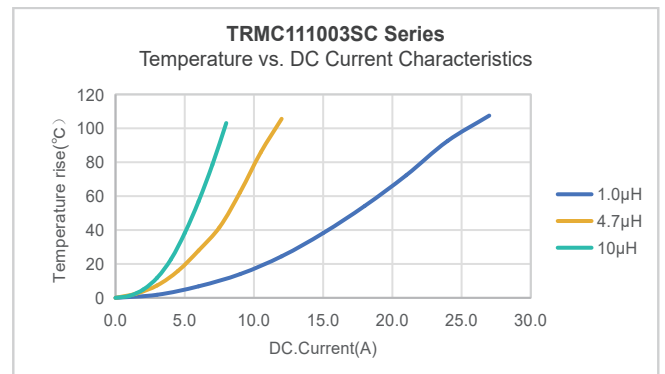
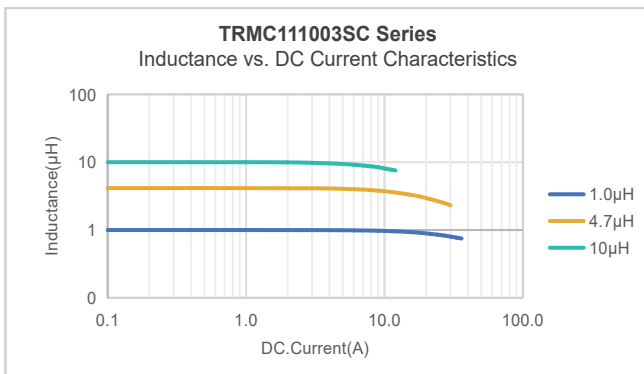
TRMC070703SC Series



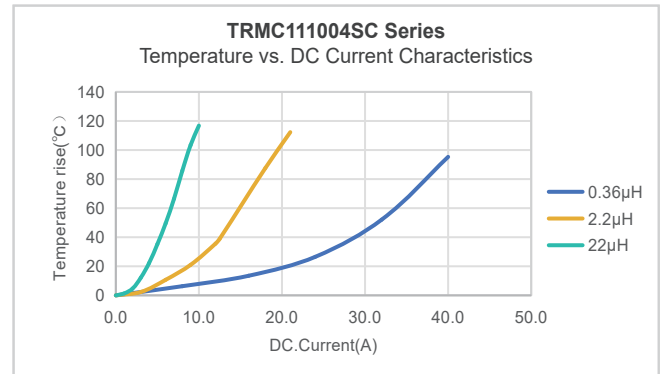
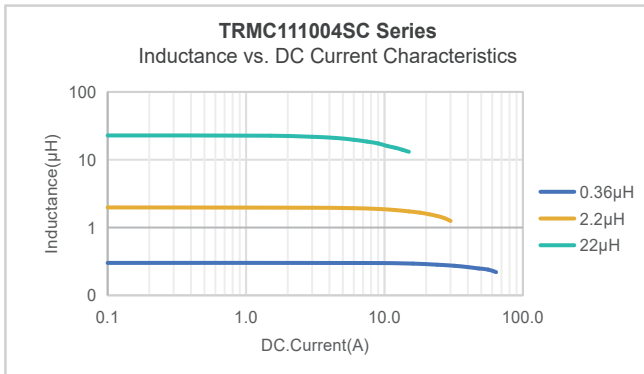
TRMC070705SC Series



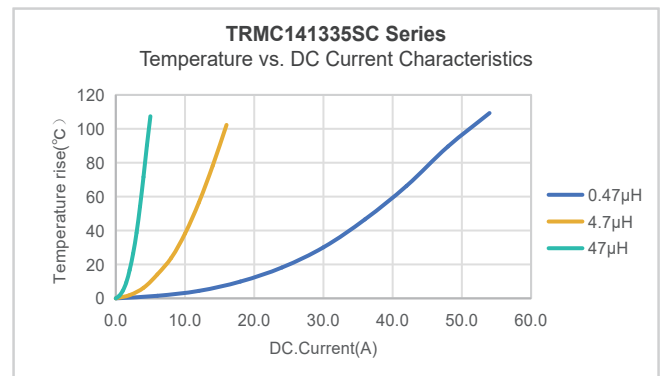
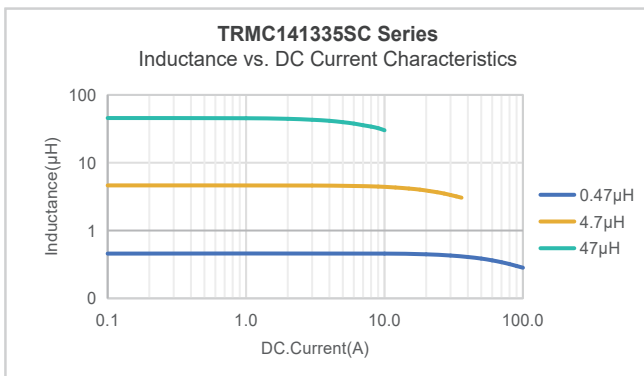
TRMC111003SC Series



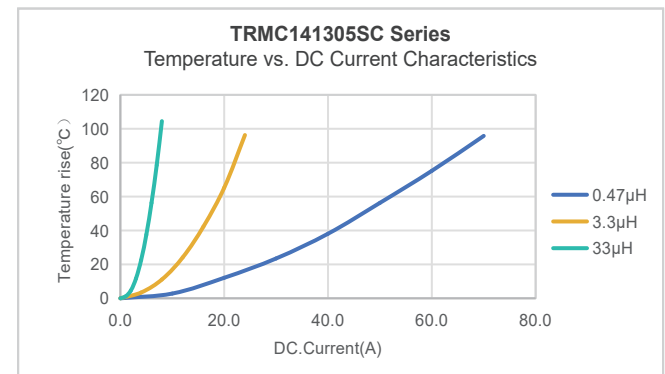
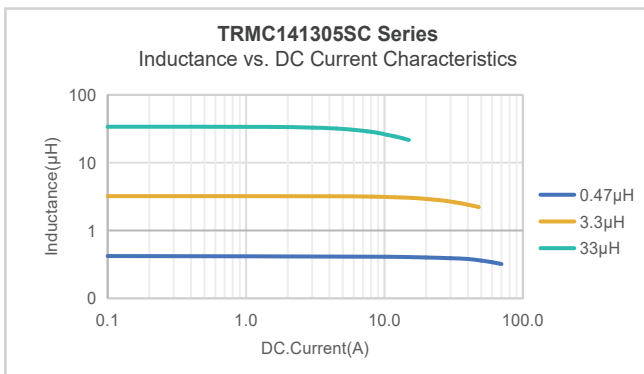
TRMC111004SC Series



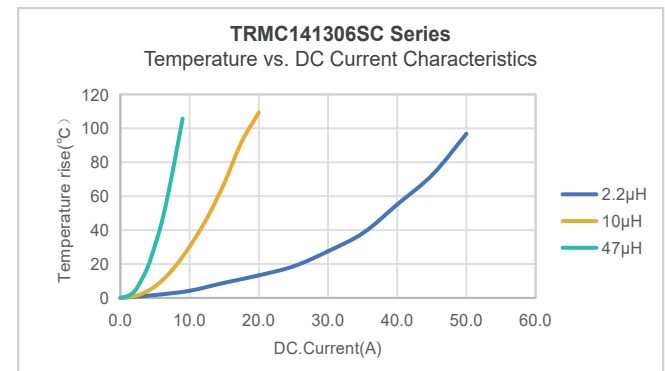
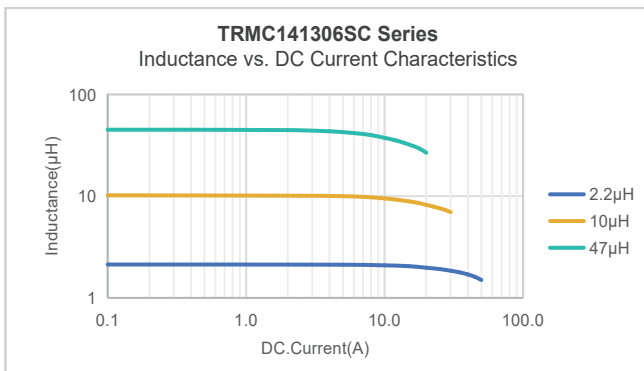
TRMC141335SC Series



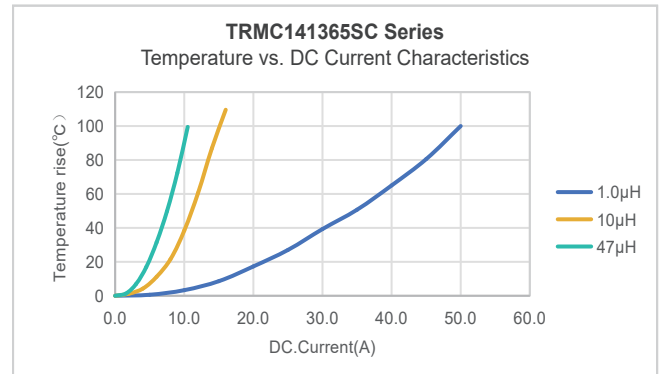
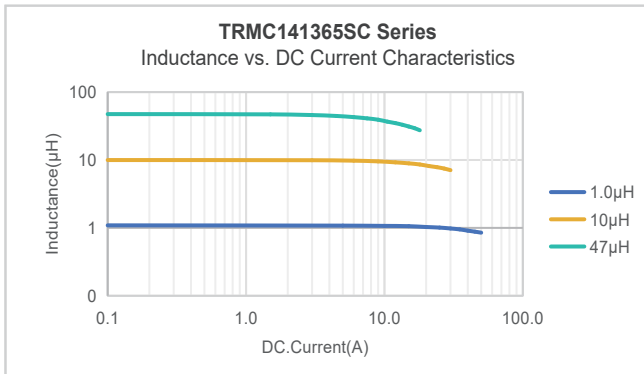
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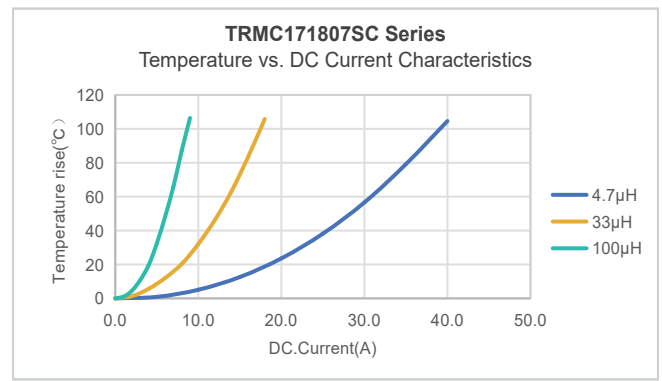
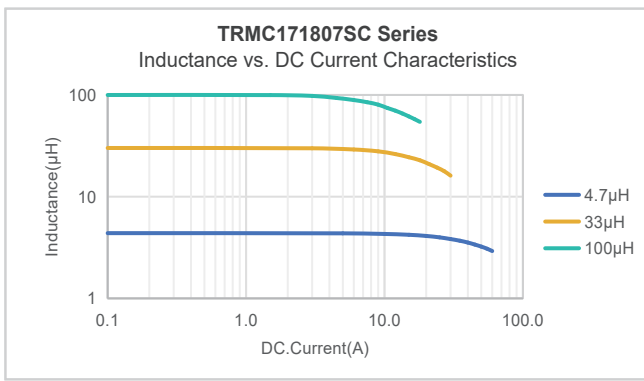
TRMC141306SC Series



TRMC141365SC Series

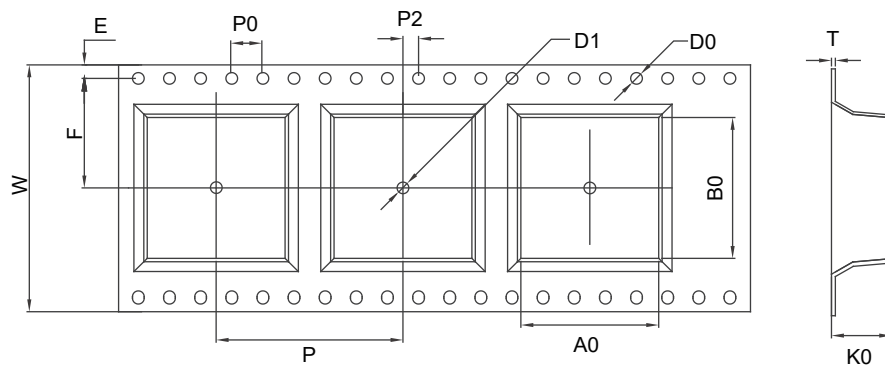


TRMC171807SC Series



Packaging Information

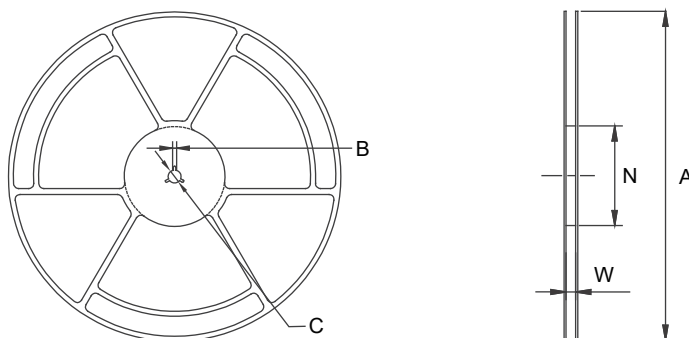
Tape Dimensions



Dimensions

Series	Tape Dimensions (mm)											
	W	P	P0	P2	D0	D1	T	A0	B0	K0	E	F
TRMC030302SC	12±0.3	8±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.35±0.05	3.4±0.1	3.7±0.1	2.4±0.1	1.75±0.1	5.5±0.1
TRMC040402SC	12±0.3	8±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.35±0.05	4.5±0.1	4.85±0.1	2.3±0.1	1.75±0.1	5.5±0.1
TRMC060502SC	12±0.3	8±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.35±0.05	5.5±0.1	5.9±0.1	2.3±0.1	1.75±0.1	5.5±0.1
TRMC060503SC	12±0.3	8±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.35±0.05	5.5±0.1	5.9±0.1	3.3±0.1	1.75±0.1	5.5±0.1
TRMC070718SC	16±0.3	12±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.35±0.05	6.9±0.1	7.5±0.1	2.1±0.1	1.75±0.1	7.5±0.1
TRMC070724SC	16±0.3	12±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.35±0.05	6.9±0.1	7.5±0.1	2.7±0.1	1.75±0.1	7.5±0.1
TRMC070703SC	16±0.3	12±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.35±0.05	6.9±0.1	7.5±0.1	3.3±0.1	1.75±0.1	7.5±0.1
TRMC070705SC	16±0.3	12±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.4±0.05	6.9±0.1	7.5±0.1	5.4±0.1	1.75±0.1	7.5±0.1
TRMC111003SC	24±0.3	16±0.1	4±0.1	2±0.05	1.5±0.1	1.5±0.1	0.35±0.05	10.4±0.1	11.6±0.1	3.3±0.1	1.75±0.1	11.5±0.1
TRMC111004SC	24±0.3	16±0.1	4±0.1	2±0.05	1.5±0.1	1.5±0.1	0.35±0.05	10.4±0.1	11.6±0.1	4.3±0.1	1.75±0.1	11.5±0.1
TRMC141335SC	24±0.3	16±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.5±0.05	13.1±0.1	14.0±0.1	3.8±0.1	1.75±0.1	11.5±0.1
TRMC141305SC	24±0.3	16±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.5±0.05	13.1±0.1	14.0±0.1	5.4±0.1	1.75±0.1	11.5±0.1
TRMC141306SC	24±0.3	16±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.5±0.05	13.1±0.1	14.0±0.1	6.3±0.1	1.75±0.1	11.5±0.1
TRMC141365SC	24±0.3	16±0.1	4±0.1	2±0.1	1.5±0.1	1.5±0.1	0.5±0.05	13.1±0.1	14.0±0.1	6.8±0.1	1.75±0.1	11.5±0.1
TRMC181707SC	32±0.3	24±0.1	4±0.1	2±0.1	1.5±0.1	/	0.5±0.05	17.5±0.1	18.1±0.1	7.3±0.1	1.75±0.1	14.2±0.1

Reel Dimensions



Dimensions

Series	Reel Dimensions (mm)					Quantity Reel
	A	W	N	B	C	
TRMC030302SC	330±2.0	12.8±0.2	97±0.5	2.2±0.5	13.0±0.2	3000 pcs / reel
TRMC040402SC	330±2.0	12.8±0.2	97±0.5	2.2±0.5	13.0±0.2	3000 pcs / reel
TRMC060502SC	330±2.0	12.8±0.2	97±0.5	2.2±0.5	13.2±0.2	2000 pcs / reel
TRMC060503SC	330±2.0	12.8±0.2	97±0.5	2.2±0.5	13.2±0.2	2000 pcs / reel
TRMC070718SC	330±2.0	16.8±0.2	97±0.5	2.2±0.5	13.2±0.2	2000 pcs / reel
TRMC070724SC	330±2.0	16.8±0.2	97±0.5	2.2±0.5	13.2±0.2	1500 pcs / reel
TRMC070703SC	330±2.0	16.8±0.2	97±0.5	2.2±0.5	13.2±0.2	1500 pcs / reel
TRMC070705SC	330±2.0	16.8±0.2	97±0.5	2.2±0.5	13.2±0.2	1000 pcs / reel
TRMC111003SC	330±2.0	24.0±0.5	97±0.5	2.2±0.5	13.0±0.2	800 pcs / reel
TRMC111004SC	330±2.0	24.0±0.5	97±0.5	2.2±0.5	13.0±0.2	500 pcs / reel
TRMC141335SC	330±2.0	24.0±0.5	97±0.5	2.2±0.5	13.0±0.2	500 pcs / reel
TRMC141305SC	330±2.0	24.0±0.5	97±0.5	2.2±0.5	13.0±0.2	500 pcs / reel
TRMC141306SC	330±2.0	24.0±0.5	97±0.5	2.2±0.5	13.0±0.2	500 pcs / reel
TRMC141365SC	330±2.0	24.0±0.5	97±0.5	2.2±0.5	13.0±0.2	500 pcs / reel
TRMC181707SC	330±2.0	32.0±0.5	97±0.5	2.3±0.3	13.0±0.2	200 pcs / reel