

PRODUCT IDENTIFICATION

SRTC . 0420 . Y Z . 2R2 M I 00
a b c d e f g h

a: Series name

b: Product dimensions (a x c)

c: Sealing way (L: Cold seal Y: Heat seal)

d: Lettering direction ▶

e: Inductance Value

(1R0:1.0uH; 100: 10uH; 101:100uH)

f: Inductance Tolerance (K:10% ; M:20% ; N:30%)

g: Package(T:Tape/Reel、B: Bulk)

h: Numbering (standard)

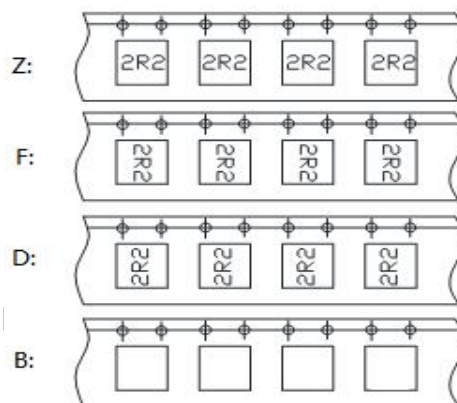
FEATURES

- ◆ Soft saturation.
- ◆ Very low acoustic noise and very low leakage flux noise.
- ◆ High current, low DCR, high efficiency.
- ◆ 100% Lead(Pb)-Free and RoHS compliant.
- ◆ High reliability.

APPLICATIONS

- ◆ DC/DC converter, Smart phone/watch
- ◆ Note PC power system, incl. IMVP-6

▶ Lettering direction



SHAPES AND DIMENSIONS

Fig.1

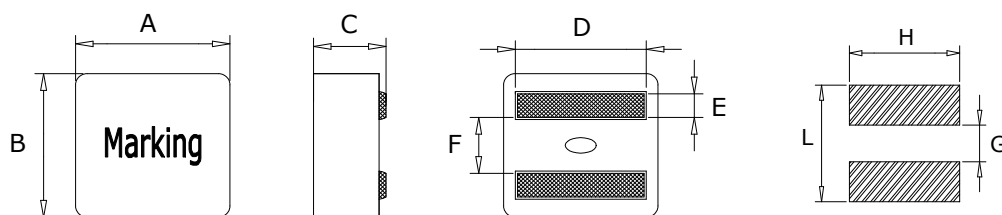


Fig.2

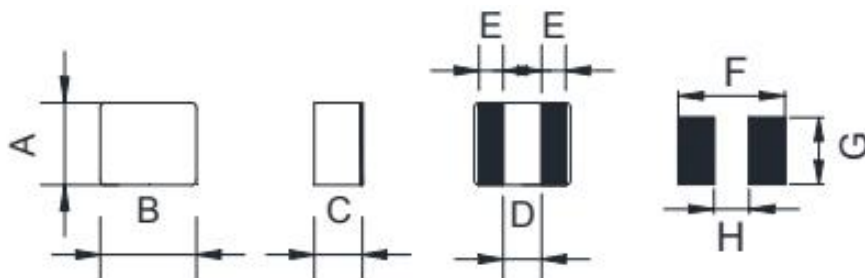
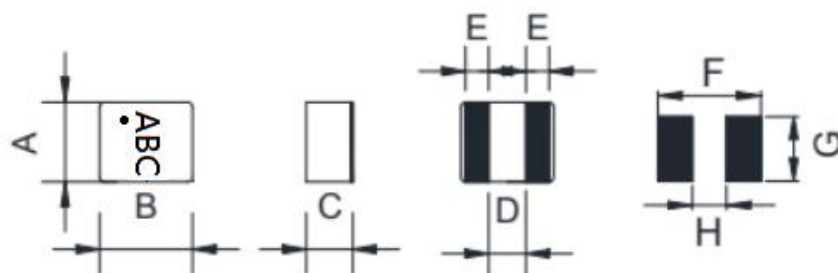


Fig.3



SHAPES AND DIMENSIONS

Series	Shape	Dimensions(mm)								
		A	B	C	D	E	F Ref.	L Ref.	H Ref.	G Ref.
SRTC.100505	Fig.2	0.5±0.15	0.3±0.2	0.50Max	0.40Ref	0.30±0.2	1.20	/	0.30	0.60
SRTC.100506	Fig.2	0.5±0.15	0.3±0.2	0.60Max	0.40Ref	0.30±0.2	1.20	/	0.30	0.60
SRTC.100565	Fig.2	0.5±0.15	0.3±0.2	0.65Max	0.40Ref	0.30±0.2	1.20	/	0.30	0.60
SRTC.100765	Fig.2	0.7±0.1	1.0±0.1	0.65Max	0.40Ref	0.30±0.2	1.10	/	0.30	0.80
SRTC.100708	Fig.2	0.7±0.1	1.0±0.1	0.80Max	0.40Ref	0.30±0.2	1.10	/	0.30	0.80
SRTC.121065	Fig.2	1.0±0.2	1.2±0.2	0.65Max	0.40Ref	0.40±0.2	1.30	/	0.30	1.10
SRTC.160806	Fig.2	0.8±0.2	1.6±0.2	0.60Max	0.60Ref	0.50±0.2	1.70	/	0.50	0.90
SRTC.160865	Fig.2	0.8±0.2	1.6±0.2	0.65Max	0.60Ref	0.50±0.2	1.70	/	0.50	0.90
SRTC.160808	Fig.2	0.8±0.2	1.6±0.2	0.80Max	0.60Ref	0.50±0.2	1.70	/	0.50	0.90
SRTC.141265	Fig.2	1.2±0.2	1.4±0.2	0.65Max	0.50Ref	0.45±0.2	1.50	/	0.40	1.30
SRTC.141207	Fig.2	1.2±0.2	1.4±0.2	0.80Max	0.50Ref	0.45±0.2	1.50	/	0.40	1.30
SRTC.141208	Fig.2	1.2±0.2	1.4±0.2	0.80Max	0.50Ref	0.45±0.2	1.50	/	0.40	1.30
SRTC.201206	Fig.2	1.2±0.2	2.0±0.2	0.60Max	0.60Ref	0.70±0.2	2.10	/	0.50	1.30
SRTC.201265	Fig.2	1.2±0.2	2.0±0.2	0.65Max	0.60Ref	0.70±0.2	2.10	/	0.50	1.30
SRTC.201208	Fig.2	1.2±0.2	2.0±0.2	0.80Max	0.60Ref	0.70±0.2	2.10	/	0.50	1.30
SRTC.201210	Fig.2	1.2±0.2	2.0±0.2	1.00Max	0.60Ref	0.70±0.2	2.10	/	0.50	1.30
SRTC.201212	Fig.2	1.2±0.2	2.0±0.2	1.20Max	0.60Ref	0.70±0.2	2.10	/	0.50	1.30
SRTC.201655	Fig.2	1.6±0.2	2.0±0.2	0.55Max	0.60Ref	0.70±0.2	2.10	/	0.50	1.70
SRTC.201606	Fig.2	1.6±0.2	2.0±0.2	0.60Max	0.60Ref	0.70±0.2	2.10	/	0.50	1.70
SRTC.201607	Fig.2	1.6±0.2	2.0±0.2	0.70Max	0.60Ref	0.70±0.2	2.10	/	0.50	1.70
SRTC.201608	Fig.2	1.6±0.2	2.0±0.2	0.80Max	0.60Ref	0.70±0.2	2.10	/	0.50	1.70
SRTC.201610	Fig.2	1.6±0.2	2.0±0.2	1.00Max	0.60Ref	0.70±0.2	2.10	/	0.50	1.70
SRTC.201612	Fig.2	1.6±0.2	2.0±0.2	1.20Max	0.60Ref	0.70±0.2	2.10	/	0.50	1.70
SRTC.252055	Fig.2	2.0±0.2	2.5±0.2	0.55Max	0.80Ref	0.85±0.2	2.60	/	0.70	2.10
SRTC.252075	Fig.2	2.0±0.2	2.5±0.2	0.75Max	0.80Ref	0.85±0.2	2.60	/	0.70	2.10
SRTC.252008	Fig.2	2.0±0.2	2.5±0.2	0.80Max	0.80Ref	0.85±0.2	2.60	/	0.70	2.10
SRTC.252010	Fig.2	2.0±0.2	2.5±0.2	1.00Max	0.80Ref	0.85±0.2	2.60	/	0.60	2.10
SRTC.252012	Fig.2	2.0±0.2	2.5±0.2	1.20Max	0.80Ref	0.85±0.2	2.60	/	0.60	2.10
SRTC.322510	Fig.2	2.5±0.2	3.2±0.2	1.00Max	1.10Ref	1.05±0.2	3.20	/	1.00	2.50
SRTC.322512	Fig.2	2.5±0.2	3.2±0.2	1.20Max	1.10Ref	1.05±0.2	3.20	/	1.00	2.50
SRTC.322520	Fig.2	2.5±0.2	3.2±0.2	2.0Max	1.10Ref	1.05±0.2	3.20	/	1.00	2.50
SRTC.0310	Fig.2	3.0±0.1	3.0±0.1	1.00Max	1.00Ref	1.00±0.2	3.00	/	0.90	3.00
SRTC.0312	Fig.2	3.0±0.1	3.0±0.1	1.20Max	1.00Ref	1.00±0.2	3.00	/	0.90	3.00
SRTC.0315	Fig.2	3.0±0.1	3.0±0.1	1.50Max	1.00Ref	1.00±0.2	3.00	/	0.90	3.00
SRTC.0318	Fig.2	3.0±0.1	3.0±0.1	1.80Max	1.00Ref	1.00±0.2	3.00	/	0.90	3.00
SRTC.0320	Fig.2	3.0±0.1	3.0±0.1	2.00Max	1.00Ref	1.00±0.2	3.00	/	0.90	3.00

Series	Shape	Dimensions(mm)								
		A	B	C	D	E	F	L Ref.	H Ref.	G Ref.
SRTC.0408	Fig.3	4.0±0.20	4.0±0.20	0.80Max	1.40Ref	1.35±0.2	4.1Ref	/	1.3	4.0
SRTC.0410	Fig.3	4.0±0.20	4.0±0.20	1.00Max	1.40Ref	1.35±0.2	4.1Ref	/	1.3	4.0
SRTC.0412	Fig.3	4.0±0.20	4.0±0.20	1.20Max	1.40Ref	1.35±0.2	4.1Ref	/	1.3	4.0
SRTC.0415	Fig.3	4.0±0.20	4.0±0.20	1.50Max	1.40Ref	1.35±0.2	4.1Ref	/	1.3	4.0
SRTP.0420	Fig.3	4.0±0.20	4.0±0.20	2.00Max	1.40Ref	1.35±0.2	4.1Ref	/	1.3	4.0
SRTP.0430	Fig.3	4.0±0.20	4.0±0.20	3.00Max	1.40Ref	1.35±0.2	4.1Ref	/	1.3	4.0
SRTC.0420	Fig.1	4.1±0.20	4.1±0.20	1.9±0.2	3.4±0.3	0.88±0.3	1.7±0.3	3.4	3.8	1.4
SRTC.0430	Fig.1	4.1±0.25	4.1±0.25	2.8±0.2	3.4±0.3	0.88±0.3	1.7±0.3	3.4	3.8	1.4
SRTC.0520	Fig.1	5.5±0.20	5.3±0.20	1.9±0.2	4.3±0.3	1.1±0.3	2.3±0.3	4.5	4.7	2.0
SRTC.0530	Fig.1	5.5±0.20	5.3±0.20	2.9±0.2	4.3±0.3	1.1±0.3	2.3±0.3	4.5	4.7	2.0
SRTC.0550	Fig.1	5.5±0.20	5.3±0.20	4.8±0.2	4.3±0.3	1.1±0.3	2.3±0.3	4.5	4.7	2.0
SRTC.0630	Fig.1	6.6±0.20	6.4±0.20	2.9±0.2	See Spec table	1.4±0.3	2.6±0.3	5.6	5.6	2.5
SRTC.0650	Fig.1	6.6±0.20	6.4±0.20	4.8±0.2	See Spec table	1.4±0.3	2.6±0.3	5.6	5.6	2.5
SRTC.0660	Fig.1	6.6±0.20	6.4±0.20	8.8±0.2	5.3±0.3	1.4±0.3	2.6±0.3	5.6	5.6	2.5
SRTC.0720	Fig.1	7.8±0.25	7.6±0.2	1.85±0.2	See Spec table	1.75±0.3	3.15±0.3	7.4	7.2	4.8
SRTC.0730	Fig.1	7.8±0.25	7.6±0.2	2.9±0.2	See Spec table	1.75±0.3	3.15±0.3	7.4	7.2	4.8
SRTC.0770	Fig.1	7.8±0.25	7.6±0.2	6.7±0.3	See Spec table	1.75±0.3	3.15±0.3	7.8	6.7	4.8
SRTC.0880	Fig.1	8.9±0.30	8.5±0.3	7.7±0.3	See Spec table	1.8±0.3	3.5±0.5	8.0	7.0	2.7
SRTC.1010	Fig.1	11.9±0.3	11.0±0.3	9.7±0.3	See Spec table	2.4±0.3	4.4±0.5	10.5	11.0	3.7
SRTC.1031	Fig.1	11.9±0.3	11.0±0.3	2.9±0.2	9.0±0.5	2.4±0.3	4.4±0.5	10.5	11.0	3.7
SRTC.1060	Fig.1	11.9±0.3	11.0±0.3	5.7±0.3	See Spec table	2.4±0.3	4.4±0.5	10.5	11.0	3.7
SRTC.1510	Fig.1	16.5±0.3	15.5±0.3	9.7±0.3	13.2±0.5	3.2±0.3	7.0±0.3	15.0	15.0	6.0r
SRTC.1513	Fig.1	16.5±0.3	15.5±0.3	12.7±0.3	13.2±0.5	3.2±0.3	7.0±0.3	15.0	15.0	6.0
SRTC.1580	Fig.1	16.5±0.3	15.5±0.3	7.7±0.3	13.2±0.5	3.2±0.3	7.0±0.3	15.0	15.0	6.0

◆ELECTRICAL CHARACTERISTICS:

SRTC.100505Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.100505.YBR47MT00	0.47	1/1	220	1.3	1.5	1.2	1.3

SRTC.100506Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.100506.YB1R0MT00	1.0	1/1	320	1.05	1.15	0.80	1.00

SRTC.100565Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.100565.YBR47MT00	0.47	1/1	175	1.75	1.85	1.60	1.70

SRTC.100765Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.100765.YB1R5MT00	1.5	1/1	500	0.90	1.10	0.30	0.40
SRTC.100765.YB2R6MT00	2.6	1/1	900	0.80	1.00	0.40	0.55

SRTC.100708Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.100708.YB2R2MT00	2.2	1/1	480	1.05	1.15	0.90	1.00

SRTC.121065Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.121065.YB2R2MT00	2.2	1/1	340	1.2	1.3	0.9	1.0

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.160806 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.160806.YBR10MT00	0.10	1/1	20	6.0	6.5	6.0	6.5

SRTC.160865 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.160865.YBR22MT00	0.22	1/1	43	4.5	5.0	3.6	4.0
SRTC.160865.YBR47MT00	0.47	1/1	82	3.0	3.3	2.0	2.3
SRTC.160865.YB1R0MT00	1.0	1/1	200	2.0	2.4	1.5	1.8
SRTC.160865.YB2R2MT00	2.2	1/1	430	1.3	1.6	1.1	1.3

SRTC.160808 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.160808.YBR22MT00	0.22	1/1	40	5.0	5.5	3.0	3.4
SRTC.160808.YBR24MT00	0.24	1/1	41	4.8	5.3	2.9	3.3
SRTC.160808.YBR47MT00	0.47	1/1	100	3.7	4.1	2.3	2.6
SRTC.160808.YBR56MT00	0.56	1/1	110	3.5	4.0	1.9	2.2
SRTC.160808.YBR68MT00	0.68	1/1	130	3.0	3.3	1.9	2.1
SRTC.160808.YB1R0MT00	1.0	1/1	200	2.6	3.0	1.8	2.1
SRTC.160808.YB1R5MT00	1.5	1/1	285	2.0	2.4	1.4	1.7
SRTC.160808.YB2R2MT00	2.2	1/1	260	1.3	1.5	1.2	1.4
SRTC.160808.YB3R3MT00	3.3	1/1	600	1.2	1.4	0.9	1.0
SRTC.160808.YB4R7MT00	4.7	1/1	700	1.0	1.2	0.8	1.0
SRTC.160808.YB100MT00	10	1/1	1600	0.7	0.8	0.45	0.5

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降 30%TYP 或电感器表面温度上升 40℃TYP 的电流值 (参考周围环境温度 25℃)
The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.141265 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.141265.YBR10MT00	0.10	1/1	16.5	6.5	7.0	6.0	6.5
SRTC.141265.YBR15MT00	0.15	1/1	19.5	5.5	6.0	5.4	5.9
SRTC.141265.YBR24MT00	0.24	1/1	27	5.0	5.5	6.0	6.5
SRTC.141265.YBR33MT00	0.33	1/1	32	4.0	4.4	4.2	4.4
SRTC.141265.YBR47MT00	0.47	1/1	45	3.0	3.4	2.7	3.0

SRTC.141207Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.141207.YBR27MT00	0.24	1/1	28	4.3	4.6	3.6	4.0
SRTC.141207.YBR47MT00	0.47	1/1	38	3.5	3.8	3.3	3.8

SRTC.141208 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.141208.YBR10MT00	0.10	1/1	14	8.0	8.5	7.5	8.0
SRTC.141208.YBR24MT00	0.24	1/1	27	5.7	6.0	3.7	4.1
SRTC.141208.YBR33MT00	0.33	1/1	28	5.0	5.3	3.5	4.0
SRTC.141208.YBR47MT00	0.47	1/1	35	4.2	4.6	3.3	3.8
SRTC.141208.YB1R0MT00	1.0	1/1	77	2.5	3.0	2.5	3.0
SRTC.141208.YB2R2MT00	2.2	1/1	225	1.7	1.9	1.8	2.0

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.201206 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.201206.YBR11MT00	0.11	1/1	15	4.8	5.2	7.0	7.5

SRTC.201265 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.201265.YBR15MT00	0.15	1/1	14	6.0	6.5	5.5	6.0
SRTC.201265.YBR24MT00	0.24	1/1	20	4.8	5.1	4.5	4.8
SRTC.201265.YBR33MT00	0.33	1/1	35	4.3	4.6	4.0	4.3
SRTC.201265.YBR47MT00	0.47	1/1	44	3.8	4.1	3.5	3.8
SRTC.201265.YBR68MT00	0.68	1/1	60	3.2	3.5	3.0	3.3
SRTC.201265.YB1R0MT00	1.0	1/1	86	2.5	2.8	2.3	2.6
SRTC.201265.YB2R2MT00	2.2	1/1	230	1.5	1.8	1.4	1.7
SRTC.201265.YB4R7MT00	4.7	1/1	530	1.0	1.2	0.9	1.1

SRTC.201265 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.201265.YBR11MT00	0.11	1/1	12	9.1	9.5	6.5	7.0
SRTC.201265.YBR15MT00	0.15	1/1	13	7.0	7.5	6.3	6.8
SRTC.201208.YBR24MT00	0.24	1/1	23	6.0	6.5	5.9	6.5
SRTC.201208.YBR33MT00	0.33	1/1	45	4.8	5.2	4.0	4.3
SRTC.201208.YBR47MT00	0.47	1/1	50	4.6	5.0	3.3	3.5
SRTC.201208.YBR68MT00	0.68	1/1	60	3.7	4.2	3.3	3.7
SRTC.201208.YB1R0MT00	1.0	1/1	70	3.5	4.0	2.9	3.3
SRTC.201208.YB1R5MT00	1.5	1/1	135	2.5	3.0	1.9	2.2
SRTC.201208.YB2R2MT00	2.2	1/1	185	2.3	2.6	1.8	2.2
SRTC.201208.YB3R3MT00	3.3	1/1	300	1.6	1.9	1.5	1.8
SRTC.201208.YB4R7MT00	4.7	1/1	325	1.4	1.6	1.3	1.5

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃).

◆ELECTRICAL CHARACTERISTICS:

SRTC.201210 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.201210.YBR10MT00	0.10	1/1	13	8.0	8.5	7.0	7.5
SRTC.201210.YBR22MT00	0.22	1/1	22	6.8	7.3	6.5	7.1
SRTC.201210.YBR24MT00	0.24	1/1	23	6.7	7.2	6.4	7.0
SRTC.201210.YBR33MT00	0.33	1/1	32	6.0	6.5	5.0	5.5
SRTC.201210.YBR47MT00	0.47	1/1	36	5.0	5.5	4.3	4.7
SRTC.201210.YBR68MT00	0.68	1/1	43	4.5	5.0	4.0	4.3
SRTC.201210.YB1R0MT00	1.0	1/1	63	3.5	4.0	3.5	3.9
SRTC.201210.YB1R5MT00	1.5	1/1	85	2.7	3.2	2.6	3.1
SRTC.201210.YB2R2MT00	2.2	1/1	150	2.4	2.7	1.7	2.0
SRTC.201210.YB3R3MT00	3.3	1/1	260	1.8	2.2	1.5	1.8
SRTC.201210.YB4R7MT00	4.7	1/1	300	1.6	1.8	1.4	1.6
SRTC.201210.YB6R8MT00	6.8	1/1	520	1.2	1.45	1.3	1.5
SRTC.201210.YB100MT00	10	1/1	660	1.0	1.2	1.0	1.1

SRTC.201212 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.201212.YBR11MT00	0.11	1/1	6.2	11.0	12.0	11.0	12.0
SRTC.201212.YBR24MT00	0.24	1/1	16	8.5	9.0	7.0	7.5
SRTC.201212.YBR33MT00	0.33	1/1	20.5	6.0	6.5	5.8	6.3
SRTC.201212.YBR47MT00	0.47	1/1	23.5	5.0	5.5	5.5	6.0
SRTC.201212.YB1R0MT00	1.0	1/1	48	3.6	4.0	3.5	3.9
SRTC.201212.YB3R3MT00	3.3	1/1	210	1.8	2.0	1.6	1.8

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃).

◆ELECTRICAL CHARACTERISTICS:

SRTC.201655 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20°C Rise	40°C Rise
SRTC.201655.YBR33MT00	0.33	1/1	41	3.5	4.0	3.5	4.0
SRTC.201655.YBR47MT00	0.47	1/1	53	3.0	3.5	3.0	3.5

SRTC.201606 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20°C Rise	40°C Rise
SRTC.201606.YB2R2MT00	2.2	1/1	180	1.7	1.9	1.6	1.8
SRTC.201606.YB4R7MT00	4.7	1/1	425	1.2	1.4	1.1	1.3

SRTC.201665 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20°C Rise	40°C Rise
SRTC.201665.YBR47MT00	0.47	1/1	40	4.0	4.4	4.5	5.0
SRTC.201665.YBR68MT00	0.68	1/1	50	3.1	3.4	3.5	4.0
SRTC.201665.YBR10MT00	1.0	1/1	70	2.7	3.0	3.0	3.5
SRTC.201665.YB2R2MT00	2.2	1/1	170	2.0	2.2	2.6	2.8

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40°C TYP 的电流值(参考周围环境温度 25°C) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40°C TYP, whichever is smaller (Reference ambient temperature 25°C)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.201607 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.201607.YB2R2MT00	2.2	1/1	175	2.0	2.3	1.8	2.1

SRTC.201608 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.201608.YBR22MT00	0.22	1/1	19	5.6	6.1	5.9	6.6
SRTC.201608.YBR24MT00	0.24	1/1	20	5.5	6.0	5.8	6.5
SRTC.201608.YBR33MT00	0.33	1/1	24	5.3	5.8	4.8	5.5
SRTC.201608.YBR47MT00	0.47	1/1	27	5.0	5.5	4.4	4.6
SRTC.201608.YBR68MT00	0.68	1/1	44	4.2	4.6	3.5	3.8
SRTC.201608.YB1R0MT00	1.0	1/1	60	3.1	3.3	3.3	3.6
SRTC.201608.YB1R5MT00	1.5	1/1	85	2.8	3.0	2.8	3.1
SRTC.201608.YB2R2MT00	2.2	1/1	140	2.3	2.5	2.0	2.2
SRTC.201608.YB3R3MT00	3.3	1/1	220	1.8	2.1	1.5	1.8
SRTC.201608.YB4R7MT00	4.7	1/1	290	1.5	1.7	1.4	1.6
SRTC.201608.YB100MT00	10	1/1	800	0.9	1.0	0.9	1.0

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃).

◆ELECTRICAL CHARACTERISTICS:

SRTC.201610 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.201610.YBR10MT00	0.10	1/1	12	8.4	9.0	8.0	8.5
SRTC.201610.YBR15MT00	0.15	1/1	14	8.0	8.7	7.0	7.6
SRTC.201610.YBR22MT00	0.22	1/1	18	7.5	8.2	6.3	6.9
SRTC.201610.YBR24MT00	0.24	1/1	19	7.4	8.0	6.2	6.8
SRTC.201610.YBR33MT00	0.33	1/1	22	6.5	7.0	5.3	5.7
SRTC.201610.YBR47MT00	0.47	1/1	25	5.5	6.3	5.0	5.5
SRTC.201610.YBR68MT00	0.68	1/1	32	4.7	5.2	4.3	4.6
SRTC.201610.YB1R0MT00	1.0	1/1	43	4.2	4.6	4.1	4.5
SRTC.201610.YB1R5MT00	1.5	1/1	100	2.9	3.2	2.3	2.6
SRTC.201610.YB2R2MT00	2.2	1/1	130	2.8	3.0	2.1	2.5
SRTC.201610.YB3R3MT00	3.3	1/1	170	2.0	2.3	1.5	1.7
SRTC.201610.YB4R7MT00	4.7	1/1	220	1.8	2.0	1.4	1.6
SRTC.201610.YB100MT00	10	1/1	580	1.1	1.4	0.7	1.0

SRTC.201612 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.201612.YBR10MT00	0.10	1/1	6	11.5	13.0	10.0	12.0
SRTC.201612.YBR15MT00	0.15	1/1	10	10.5	12.0	9.0	10.0
SRTC.201612.YBR24MT00	0.24	1/1	11	8.7	9.2	8.6	9.1
SRTC.201612.YBR33MT00	0.33	1/1	15	7.3	7.8	7.2	7.7
SRTC.201612.YBR47MT00	0.47	1/1	17	6.0	6.7	6.0	6.7
SRTC.201612.YBR68MT00	0.68	1/1	23	5.3	6.0	5.3	6.0
SRTC.201612.YB1R0MT00	1.0	1/1	36	4.5	5.0	4.5	5.0
SRTC.201612.YB1R5MT00	1.5	1/1	50	3.5	4.0	3.5	4.0
SRTC.201612.YB2R2MT00	2.2	1/1	90	2.7	3.1	2.9	3.3
SRTC.201612.YB3R3MT00	3.3	1/1	165	2.3	2.7	2.0	2.4
SRTC.201612.YB4R7MT00	4.7	1/1	185	2.0	2.2	1.8	2.0
SRTC.201612.YB6R8MT00	6.8	1/1	300	1.7	1.9	1.7	1.8
SRTC.201612.YB100MT00	10	1/1	460	1.3	1.4	1.2	1.3

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值 (参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.252055 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.252055.YBR22MT00	0.22	1/1	28	4.5	4.8	6.0	6.5
SRTC.252055.YBR47MT00	0.47	1/1	49	3.2	3.5	5.2	5.5

SRTC.252075 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.252075.YB2R2MT00	2.2	1/1	90	2.4	2.6	2.0	2.3

SRTC.252008 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.252008.YBR47MT00	0.47	1/1	27	5.3	6.0	6.0	6.5
SRTC.252008.YB1R0MT00	1.0	1/1	40	4.0	4.5	4.0	4.3
SRTC.252008.YB1R5MT00	1.5	1/1	75	3.0	3.5	3.0	3.4
SRTC.252008.YB2R2MT00	2.2	1/1	77	2.6	3.0	2.6	3.0
SRTC.252008.YB3R3MT00	3.3	1/1	180	2.1	2.5	2.1	2.5
SRTC.252008.YB100MT00	10	1/1	600	0.9	1.1	1.2	1.4

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.252010 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.252010.YBR22MT00	0.22	1/1	17.0	7.9	8.6	6.5	6.8
SRTC.252010.YBR24MT00	0.24	1/1	17.5	7.8	8.5	6.4	6.7
SRTC.252010.YBR33MT00	0.33	1/1	19.0	7.2	7.6	6.2	6.5
SRTC.252010.YBR47MT00	0.47	1/1	22.0	6.5	6.9	5.6	6.1
SRTC.252010.YBR68MT00	0.68	1/1	27.0	5.5	5.9	5.0	5.6
SRTC.252010.YB1R0MT00	1.0	1/1	30.0	4.8	5.3	4.1	4.5
SRTC.252010.YB1R5MT00	1.5	1/1	55.0	3.9	4.3	3.0	3.4
SRTC.252010.YB2R2MT00	2.2	1/1	70.0	3.0	3.3	2.1	2.4
SRTC.252010.YB3R3MT00	3.3	1/1	100	2.5	2.8	2.1	2.5
SRTC.252010.YB4R7MT00	4.7	1/1	180	2.0	2.6	1.6	2.0
SRTC.252010.YB6R8MT00	6.8	1/1	320	1.9	2.4	1.4	1.6
SRTC.252010.YB100MT00	10	1/1	560	1.4	1.55	0.95	1.05
SRTC.252010.YB220MT00	22	1/1	1300	0.9	1.10	0.60	0.85

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.252012 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.252012.YBR10MT00	0.10	1/1	10	12.5	13.5	10.5	12.0
SRTC.252012.YBR15MT00	0.15	1/1	11	12.0	13.0	10.0	11.5
SRTC.252012.YBR22MT00	0.22	1/1	14	9.0	9.6	7.6	8.2
SRTC.252012.YBR24MT00	0.24	1/1	15	8.8	9.3	7.5	8.0
SRTC.252012.YBR33MT00	0.33	1/1	17	7.8	8.3	6.4	6.8
SRTC.252012.YBR47MT00	0.47	1/1	19	7.0	7.5	6.0	6.5
SRTC.252012.YBR68MT00	0.68	1/1	23	6.0	6.5	5.5	6.3
SRTC.252012.YBR82MT00	0.82	1/1	24	5.8	6.5	5.3	5.8
SRTC.252012.YB1R0MT00	1.0	1/1	42	5.0	5.6	3.6	4.0
SRTC.252012.YB1R5MT00	1.5	1/1	50	4.1	4.5	3.2	3.7
SRTC.252012.YB2R2MT00	2.2	1/1	65	3.3	3.8	2.7	3.0
SRTC.252012.YB3R3MT00	3.3	1/1	97	2.7	3.0	1.8	2.3
SRTC.252012.YB4R7MT00	4.7	1/1	170	2.1	2.4	1.5	1.8
SRTC.252012.YB6R8MT00	6.8	1/1	270	1.7	2.0	1.4	1.6
SRTC.252012.YB100MT00	10	1/1	400	1.45	1.6	1.05	1.2
SRTC.252012.YB150MT00	15	1/1	565	1.3	1.4	1.3	1.4
SRTC.252012.YB220MT00	22	1/1	800	1.0	1.1	1.1	1.2

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.322510 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.322510.YBR22MT00	0.22	1/1	11	8.0	8.5	8.0	8.5
SRTC.322510.YBR33MT00	0.33	1/1	15	7.8	8.3	7.8	8.3
SRTC.322510.YBR47MT00	0.47	1/1	22	7.6	8.3	5.9	6.4
SRTC.322510.YBR68MT00	0.68	1/1	28	7.0	7.5	5.7	6.2
SRTC.322510.YB1R0MT00	1.0	1/1	30	5.3	6.0	4.9	5.4
SRTC.322510.YB1R5MT00	1.5	1/1	42	4.4	5.0	3.6	4.0
SRTC.322510.YB2R2MT00	2.2	1/1	66	3.5	4.0	3.4	3.7
SRTC.322510.YB3R3MT00	3.3	1/1	120	3.3	3.7	2.3	2.7
SRTC.322510.YB4R7MT00	4.7	1/1	140	2.5	2.8	1.9	2.3
SRTC.322510.YB6R8MT00	6.8	1/1	320	2.0	2.4	1.6	1.9
SRTC.322510.YB100MT00	10	1/1	365	1.8	2.2	1.8	2.2

SRTC.322512 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.322512.YBR10MT00	0.10	1/1	7.0	16.5	18.0	11.0	12.0
SRTC.322512.YBR22MT00	0.22	1/1	10	11.0	11.5	8.7	9.2
SRTC.322512.YBR24MT00	0.24	1/1	12	10.5	11.0	8.5	9.0
SRTC.322512.YBR33MT00	0.33	1/1	14	9.5	10.0	8.1	8.4
SRTC.322512.YBR47MT00	0.47	1/1	19	8.2	8.6	7.2	7.5
SRTC.322512.YBR68MT00	0.68	1/1	23	7.7	8.1	6.8	7.3
SRTC.322512.YB1R0MT00	1.0	1/1	30	5.8	6.6	4.8	5.3
SRTC.322512.YB1R5MT00	1.5	1/1	44	4.7	5.1	4.3	4.7
SRTC.322512.YB2R2MT00	2.2	1/1	70	4.2	4.6	3.0	3.6
SRTC.322512.YB3R3MT00	3.3	1/1	95	3.2	3.7	2.5	2.9
SRTC.322512.YB4R7MT00	4.7	1/1	135	2.6	2.9	2.0	2.3
SRTC.322512.YB6R8MT00	6.8	1/1	210	2.4	2.8	1.9	2.1
SRTC.322512.YB100MT00	10	1/1	230	1.9	2.3	1.8	2.0

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.322520 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.322520.YB70NMT00	0.07	1/1	3.2	24	25	20	22
SRTC.322520.YBR27MT00	0.27	1/1	6.5	15	16	15	16
SRTC.322520.YBR33MT00	0.33	1/1	9.0	14	15.5	9.0	9.5
SRTC.322520.YBR47MT00	0.47	1/1	10.5	13	15	8.5	9.5
SRTC.322520.YBR68MT00	0.68	1/1	14.5	11	13	8.0	9.0
SRTC.322520.YB1R0MT00	1.0	1/1	17.5	8.3	9.0	7.5	8.2
SRTC.322520.YB1R5MT00	1.5	1/1	25	6.0	6.8	6.0	6.5
SRTC.322520.YB2R2MT00	2.2	1/1	43	5.5	6.5	4.8	5.4
SRTC.322520.YB3R3MT00	3.3	1/1	60	3.5	4.5	4.0	4.5
SRTC.322520.YB4R7MT00	4.7	1/1	94	3.0	4.0	3.0	3.5
SRTC.322520.YB6R8MT00	6.8	1/1	125	2.9	3.8	2.3	2.8
SRTC.322520.YB150MT00	15	1/1	260	2.0	2.2	1.8	2.0
SRTC.322520.YB220MT00	22	1/1	364	1.7	2.0	1.5	1.8

SRTC.0310 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.0310.YB1R0MT00	1.0	1/1	35	4.8	5.3	6.5	7.0
SRTC.0310.YB2R2MT00	2.2	1/1	66	3.5	4.0	4.5	5.0
SRTC.0310.YB3R3MT00	3.3	1/1	102	2.8	3.1	3.0	3.4
SRTC.0310.YB4R7MT00	4.7	1/1	140	2.3	2.7	2.8	3.2
SRTC.0310.YB6R8MT00	6.8	1/1	270	1.5	1.8	1.8	2.1
SRTC.0310.YB100MT00	10	1/1	360	1.3	1.6	1.7	2.0

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.0312 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.0310.YBR10MT00	0.10	1/1	6.0	18	20	17	18
SRTC.0310.YBR33MT00	0.33	1/1	10.5	10	11	9.0	10
SRTC.0310.YBR47MT00	0.47	1/1	11	8.0	8.5	9.0	10
SRTC.0310.YBR68MT00	0.68	1/1	16	6.5	7.0	7.0	7.5
SRTC.0310.YB1R0MT00	1.0	1/1	27	5.5	6.0	5.0	5.5
SRTC.0310.YB1R5MT00	1.5	1/1	34	5.0	5.5	5.5	6.0
SRTC.0310.YB2R2MT00	2.2	1/1	50	4.5	5.0	4.3	4.8
SRTC.0310.YB3R3MT00	3.3	1/1	85	3.5	4.0	3.3	3.8
SRTC.0310.YB4R7MT00	4.7	1/1	120	2.5	3.0	2.5	3.0
SRTC.0310.YB100MT00	10	1/1	220	2.0	2.3	1.9	2.3
SRTC.0310.YB150MT00	15	1/1	380	1.6	1.9	1.3	1.6

SRTC.0315 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.0315.YBR15MT00	0.15	1/1	6.0	15	16	11	12
SRTC.0315.YBR20MT00	0.20	1/1	5.9	15	16	12	13
SRTC.0315.YBR33MT00	0.33	1/1	8.5	11	12	13	14
SRTC.0315.YBR47MT00	0.47	1/1	11	9.0	10	8.0	9.0
SRTC.0315.YB1R0MT00	1.0	1/1	22	6.5	7.0	5.5	6.0
SRTC.0315.YB1R5MT00	1.5	1/1	26	5.5	6.0	7.5	8.0
SRTC.0315.YB2R2MT00	2.2	1/1	50	4.5	5.0	4.0	4.5
SRTC.0315.YB4R7MT00	4.7	1/1	104	3.5	4.0	3.0	3.5
SRTC.0315.YB6R7MT00	6.8	1/1	180	3.0	3.5	2.0	2.5
SRTC.0315.YB100MT00	10	1/1	215	2.5	2.8	1.5	2.0
SRTC.0315.YB220MT00	22	1/1	700	1.2	1.6	1.0	1.2

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.0318 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.0318.YBR22MT00	0.22	1/1	7.0	16	17	9.0	10
SRTC.0318.YBR47MT00	0.47	1/1	10	11	12	8.0	9.0
SRTC.0318.YBR68MT00	0.68	1/1	14.5	10	11	9.0	10
SRTC.0318.YB1R0MT00	1.0	1/1	21	6.8	7.6	5.8	6.3
SRTC.0318.YB1R5MT00	1.5	1/1	26	7.0	8.0	6.4	6.8
SRTC.0318.YB4R7MT00	4.7	1/1	87	4.2	4.7	3.0	3.4

SRTC.0318 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.0320.YBR10MT00	0.10	1/1	4.5	23	25	16	17
SRTC.0320.YBR15MT00	0.15	1/1	5.0	17	18	12	13
SRTC.0320.YBR22MT00	0.22	1/1	6.5	16	17.5	10	11
SRTC.0320.YBR33MT00	0.33	1/1	9.0	15	17	9.0	10
SRTC.0320.YBR36MT00	0.36	1/1	9.0	14.5	16.5	9.0	10
SRTC.0320.YBR47MT00	0.47	1/1	11	13.5	15	8.0	9.0
SRTC.0320.YBR50MT00	0.50	1/1	12	13	15	8.0	9.0
SRTC.0320.YBR68MT00	0.68	1/1	16	11	13	7.8	8.5
SRTC.0320.YB1R0MT00	1.0	1/1	20	7.3	8.0	6.0	6.5
SRTC.0320.YB1R2MT00	1.2	1/1	21	7.0	7.5	6.5	7.0
SRTC.0320.YB1R5MT00	1.5	1/1	25	6.5	7.0	5.8	6.3
SRTC.0320.YB2R2MT00	2.2	1/1	45	5.5	6.0	4.3	4.7
SRTC.0320.YB3R3MT00	3.3	1/1	63	5.4	5.9	4.0	4.5
SRTC.0320.YB4R7MT00	4.7	1/1	73	4.0	4.8	3.8	4.2
SRTC.0320.YB6R8MT00	6.8	1/1	135	3.8	4.5	3.0	3.2
SRTC.0320.YB100MT00	10	1/1	160	3.3	3.8	2.2	2.5
SRTC.0320.YB150MT00	15	1/1	260	2.2	2.6	1.5	1.8

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.0408 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.0408.YZR10MT00	10	1/1	455	1.6	1.9	1.5	1.8

SRTC.0410 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.0410.YZ1R0MT00	1.0	1/1	26	4.8	5.3	6.5	7.0
SRTC.0410.YZ4R7MT00	4.7	1/1	140	3.5	3.8	3.0	3.4
SRTC.0410.YZ100MT00	10	1/1	280	2.0	2.2	2.0	2.5

SRTC.0412 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.0412.YZR47MT00	0.47	1/1	14	11.5	12	8.5	9.0
SRTC.0412.YZR60MT00	0.60	1/1	14.5	8.5	9.0	8.0	8.5
SRTC.0412.YZR68MT00	0.68	1/1	18	9.0	10	7.5	8.5
SRTC.0412.YZ1R0MT00	1.0	1/1	25	10	11	5.5	6.3
SRTC.0412.YZ1R5MT00	1.5	1/1	34.5	7.0	8.0	5.0	6.0
SRTC.0412.YZ2R2MT00	2.2	1/1	55	6.0	6.5	4.5	5.0
SRTC.0412.YZ3R3MT00	3.3	1/1	80	5.0	5.5	4.0	4.5
SRTC.0412.YZ4R7MT00	4.7	1/1	110	4.5	5.0	3.0	3.5
SRTC.0412.YZ5R6MT00	5.6	1/1	140	4.0	4.5	2.5	3.0
SRTC.0412.YZ6R8MT00	6.8	1/1	160	3.5	3.8	2.3	2.8
SRTC.0412.YZ100MT00	10	1/1	235	2.5	2.8	2.0	2.5

SRTC.0415 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.0415.YZ4R7MT00	4.7	1/1	63	5.0	5.5	4.5	5.0
SRTC.0415.YZ5R6MT00	5.6	1/1	80	4.3	4.8	4.0	4.5

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40℃ to +125℃

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值(参考周围环境温度 25℃) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTP.0420 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20°C Rise	40°C Rise
SRTP.0420.YZR33MT00	0.33	1/1	6.0	17	18	8.5	9.5
SRTP.0420.YZR47MT00	0.47	1/1	8.5	15	16	8.0	8.5
SRTP.0420.YZR10MT00	1.0	1/1	14.5	11.5	12.5	6.0	6.5
SRTP.0420.YZ1R5MT00	1.5	1/1	22	9.5	10.5	5.5	6.0
SRTP.0420.YZ2R2MT00	2.2	1/1	36	8.5	9.5	5.0	5.5
SRTP.0420.YZ3R3MT00	3.3	1/1	40	7.0	8.0	5.8	6.3
SRTP.0420.YZ4R7MT00	4.7	1/1	58	5.5	6.3	4.0	5.0
SRTP.0420.YZ6R8MT00	6.8	1/1	105	4.5	5.4	3.2	3.7
SRTP.0420.YZ100MT00	10	1/1	135	4.0	4.9	3.0	3.4
SRTP.0420.YZ150MT00	15	1/1	250	3.0	3.5	1.7	2.3
SRTP.0420.YZ220MT00	22	1/1	330	2.3	2.9	1.3	1.8

SRTP.0430 Series

Part Number	L(uH)	Test Freq. (MHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20°C Rise	40°C Rise
SRTP.0430.YZR33MT00	0.33	1/1	6.0	23	25	15	16
SRTP.0430.YZR47MT00	0.47	1/1	7.0	21	23	14	15
SRTP.0430.YZR56MT00	0.56	1/1	7.5	20	22	14	15
SRTP.0430.YZR68MT00	0.68	1/1	10	15	17	8.0	9.5
SRTP.0430.YZ1R0MT00	1.0	1/1	12	14	15.5	9.0	10
SRTP.0430.YZ1R5MT00	1.5	1/1	18	11	12.5	6.0	6.5
SRTP.0430.YZ2R2MT00	2.2	1/1	22	9.5	10.5	8.5	9.0
SRTP.0430.YZ3R3MT00	3.3	1/1	35	7.5	8.5	4.8	5.3
SRTP.0430.YZ4R7MT00	4.7	1/1	46	6.0	7.0	4.0	4.3
SRTP.0430.YZ5R6MT00	5.6	1/1	48	6.2	7.0	5.0	5.5
SRTP.0430.YZ6R8MT00	6.8	1/1	62	5.1	6.3	3.8	4.2
SRTP.0430.YZ8R2MT00	8.2	1/1	102	4.8	5.2	3.5	3.9
SRTP.0430.YZ100MT00	10	1/1	110	4.5	4.9	3.3	3.7
SRTP.0430.YZ220MT00	22	1/1	220	3.0	3.4	2.2	2.5
SRTP.0430.YZ470MT00	47	1/1	550	2.0	2.2	1.2	1.4

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

※额定电流: 指使电感量比初始值下降30%TYP或电感器表面温度上升 40°C TYP 的电流值 (参考周围环境温度 25°C) The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40°C TYP, whichever is smaller (Reference ambient temperature 25°C)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.0420 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.0420.YZR10MT00	0.10	100/0.1	2.42	33.0	38.0	13.5	18.0
SRTC.0420.YZR22MT00	0.22	100/0.1	4.60	18.8	19.5	13.0	16.8
SRTC.0420.YZR36MT00	0.36	100/0.1	6.30	15.0	17.0	11.0	14.5
SRTC.0420.YZR40MT00	0.40	100/0.1	7.73	13.5	15.5	10.0	14.0
SRTC.0420.YZR47MT00	0.47	100/0.1	8.58	13.0	14.5	9.0	12.5
SRTC.0420.YZR56MT00	0.56	100/0.1	9.30	12.6	14.0	8.5	12.0
SRTC.0420.YZR60MT00	0.60	100/0.1	9.52	12.3	13.7	8.0	11.7
SRTC.0420.YZR72MT00	0.72	100/0.1	11.6	10.6	12.0	7.6	10.5
SRTC.0420.YZ1R0MT00	1.0	100/0.1	14.6	8.8	9.6	6.8	9.6
SRTC.0420.YZ1R2MT00	1.2	100/0.1	17.9	7.8	9.0	6.6	9.0
SRTC.0420.YZ1R5MT00	1.5	100/0.1	23.5	7.4	8.0	5.8	7.6
SRTC.0420.YZ1R8MT00	1.8	100/0.1	28.0	7.0	7.5	5.2	7.0
SRTC.0420.YZ2R2MT00	2.2	100/0.1	38.7	6.0	6.5	4.6	5.6

SRTC.0430 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.0430.YZR47MT00	0.47	100/0.1	7.26	15.0	17.0	10.0	14.0
SRTC.0430.YZR90MT00	0.9	100/0.1	10.1	9.0	10.0	8.2	11.2
SRTC.0430.YZ1R0MT00	1.0	100/0.1	10.1	9.2	9.8	8.0	11.0
SRTC.0430.YZ1R2MT00	1.2	100/0.1	11.5	8.7	9.2	7.8	9.8
SRTC.0430.YZ1R5MT00	1.5	100/0.1	13.2	7.0	8.0	7.0	9.0
SRTC.0430.YZ2R2MT00	2.2	100/0.1	22.6	6.1	7.0	6.0	7.8
SRTC.0430.YZ3R3MT00	3.3	100/0.1	28.6	5.3	6.2	5.0	6.6

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降 30%TYP 或电感器表面温度上升 40℃TYP 的电流值 (参考周围环境温度 25℃)
The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.0520 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20°C Rise	40°C Rise
SRTC.0520.YZR15MT00	0.15	100/0.1	4.60	27.0	30.0	13.9	18.8
SRTC.0520.YZR16MT00	0.16	100/0.1	4.60	27.0	30.0	13.9	18.8
SRTC.0520.YZR33MT00	0.33	100/0.1	7.00	24.0	26.0	10.5	14.4
SRTC.0520.YZR47MT00	0.47	100/0.1	8.05	20.0	22.0	10.1	14.1
SRTC.0520.YZR56MT00	0.56	100/0.1	9.54	16.0	19.0	9.9	13.9
SRTC.0520.YZR68MT00	0.68	100/0.1	10.2	14.0	16.0	9.6	13.4
SRTC.0520.YZR80MT00	0.80	100/0.1	11.8	13.5	15.5	9.4	13.0
SRTC.0520.YZR82MT00	0.82	100/0.1	12.7	13.0	15.0	8.5	12.0
SRTC.0520.YZ1R0MT00	1.0	100/0.1	13.8	12.8	14.5	7.5	10.5
SRTC.0520.YZ1R2MT00	1.2	100/0.1	16.3	12.2	14.0	6.8	9.40
SRTC.0520.YZ1R5MT00	1.5	100/0.1	18.7	11.7	13.3	6.4	8.80

SRTC.0530 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20°C Rise	40°C Rise
SRTC.0530.YZR15MT00	0.15	100/0.1	2.31	32.5	36.0	14.3	22.2
SRTC.0530.YZR16MT00	0.16	100/0.1	2.33	32.0	35.0	14.2	22.2
SRTC.0530.YZR33MT00	0.33	100/0.1	3.52	26.0	28.0	13.8	19.2
SRTC.0530.YZR47MT00	0.47	100/0.1	4.13	24.0	26.0	13.7	18.4
SRTC.0530.YZR56MT00	0.56	100/0.1	4.52	20.2	22.2	13.6	17.7
SRTC.0530.YZR60MT00	0.60	100/0.1	4.52	20.0	22.0	13.6	17.7
SRTC.0530.YZR80MT00	0.80	100/0.1	5.65	18.0	20.0	10.1	13.1
SRTC.0530.YZR82MT00	0.82	100/0.1	5.78	17.6	19.7	9.9	12.9
SRTC.0530.YZ1R0MT00	1.0	100/0.1	7.60	14.3	16.5	9.0	12.2
SRTC.0530.YZ1R2MT00	1.2	100/0.1	9.70	13.5	15.0	8.5	11.0
SRTC.0530.YZ1R5MT00	1.5	100/0.1	11.2	12.5	14.0	8.0	10.5
SRTC.0530.YZ1R8MT00	1.8	100/0.1	12.7	11.3	12.3	7.6	10.1
SRTC.0530.YZ2R2MT00	2.2	100/0.1	14.5	9.0	10.0	7.2	9.7
SRTC.0530.YZ3R3MT00	3.3	100/0.1	23.1	8.7	9.5	5.9	8.1
SRTC.0530.YZ4R7MT00	4.7	100/0.1	36.3	7.0	8.2	4.3	5.9

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

※额定电流: 指使电感量比初始值下降 30%TYP 或电感器表面温度上升 40°C TYP 的电流值 (参考周围环境温度 25°C)
The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40°C TYP, whichever is smaller (Reference ambient temperature 25°C).

◆ELECTRICAL CHARACTERISTICS:

SRTC.0550 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20°C Rise	40°C Rise
SRTC.0550.YZ5R6MT00	5.6	100/0.1	24.2	7.2	8.6	5.3	7.2
SRTC.0550.YZ6R8MT00	6.8	100/0.1	28.6	6.6	7.8	4.8	6.4
SRTC.0550.YZ8R2MT00	8.2	100/0.1	32.5	6.1	7.2	4.6	6.1
SRTC.0550.YZ100MT00	10	100/0.1	43.0	5.4	6.5	3.8	5.0

SRTC.0630 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ		D (mm) ±0.3
				Max.	Typ.	20°C Rise	40°C Rise	
SRTC.0630.YZR18MT00	0.18	100/0.1	1.75	36.0	40.0	24.0	32.0	5.30
SRTC.0630.YZR33MT00	0.33	100/0.1	2.50	28.0	32.0	20.0	25.0	5.55
SRTC.0630.YZR56MT00	0.56	100/0.1	3.31	25.0	29.0	17.0	22.0	5.30
SRTC.0630.YZR68MT00	0.68	100/0.1	5.17	21.0	25.0	15.0	20.0	5.30
SRTC.0630.YZ1R0MT00	1.0	100/0.1	6.05	18.0	23.0	13.0	18.0	5.20
SRTC.0630.YZ1R2MT00	1.2	100/0.1	7.40	16.0	22.0	12.0	16.0	5.15
SRTC.0630.YZ1R5MT00	1.5	100/0.1	9.13	15.5	20.0	11.0	15.0	5.15
SRTC.0630.YZ1R8MT00	1.8	100/0.1	10.2	13.0	18.2	10.0	14.0	5.10
SRTC.0630.YZ2R2MT00	2.2	100/0.1	12.2	11.0	15.9	7.00	10.0	5.05
SRTC.0630.YZ3R3MT00	3.3	100/0.1	20.8	9.00	12.2	6.00	8.00	5.00
SRTC.0630.YZ4R5MT00	4.5	100/0.1	25.3	8.00	10.0	5.00	7.00	5.00

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

※额定电流: 指使电感量比初始值下降 30%TYP 或电感器表面温度上升 40°C TYP 的电流值 (参考周围环境温度 25°C)

The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40°C TYP, whichever is smaller (Reference ambient temperature 25°C).

◆ELECTRICAL CHARACTERISTICS:

SRTC.0650 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ		D (mm) ±0.3
				Max.	Typ.	20°C Rise	40°C Rise	
SRTC.0650.YZR82MT00	0.82	100/0.1	4.18	20.0	24.0	16.0	21.0	5.3
SRTC.0650.YZ1R0MT00	1.0	100/0.1	4.52	18.0	23.0	15.0	20.0	5.3
SRTC.0650.YZ1R2MT00	1.2	100/0.1	5.83	16.0	22.0	14.0	18.0	5.3
SRTC.0650.YZ1R5MT00	1.5	100/0.1	6.30	14.5	19.5	13.0	17.0	5.3
SRTC.0650.YZ1R8MT00	1.8	100/0.1	7.10	13.5	18.5	12.0	16.0	5.3
SRTC.0650.YZ2R2MT00	2.2	100/0.1	8.50	12.0	16.0	10.0	13.0	5.2
SRTC.0650.YZ3R3MT00	3.3	100/0.1	12.5	10.0	12.5	8.5	11.0	5.2
SRTC.0650.YZ4R3MT00	4.3	100/0.1	16.2	8.5	11.0	7.0	9.0	5.2
SRTC.0650.YZ4R7MT00	4.7	100/0.1	18.4	8.0	10.5	6.5	8.5	5.2

SRTC.0660 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20°C Rise	40°C Rise
SRTC.0660.YZ1R0MT00	1.0	100/0.1	4.4	19.0	24.0	16.0	21.0
SRTC.0660.YZ1R5MT00	1.5	100/0.1	6.1	15.0	20.0	13.5	17.5
SRTC.0660.YZ2R2MT00	2.2	100/0.1	8.1	12.5	16.5	11.0	14.0
SRTC.0660.YZ3R3MT00	3.3	100/0.1	12.3	11.0	13.0	9.0	12.0
SRTC.0660.YZ4R7MT00	4.7	100/0.1	14.4	9.3	10.5	8.5	11.0
SRTC.0660.YZ5R6MT00	5.6	100/0.1	15.9	8.7	9.9	7.6	10.0
SRTC.0660.YZ6R8MT00	6.8	100/0.1	20.8	8.1	9.2	7.0	9.0

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

※额定电流: 指使电感量比初始值下降 30%TYP 或电感器表面温度上升 40°C TYP 的电流值 (参考周围环境温度 25°C)
The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40°C TYP, whichever is smaller (Reference ambient temperature 25°C).

◆ELECTRICAL CHARACTERISTICS:

SRTC.0720 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ		D (mm) ±0.3
				Max.	Typ.	20°C Rise	40°C Rise	
SRTC.0720.YZR27MT00	0.27	100/0.1	3.5	32	35	16	21	6.6
SRTC.0720.YZR31MT00	0.31	100/0.1	4.8	31	34	14	20	6.2
SRTC.0720.YZR33MT00	0.33	100/0.1	4.8	31	34	13	19	6.2
SRTC.0720.YZR47MT00	0.47	100/0.1	6.2	25	28	12	17	6.2
SRTC.0720.YZR68MT00	0.68	100/0.1	9.2	23	25	10	13	6.2
SRTC.0720.YZ1R0MT00	1.0	100/0.1	10.8	20	23	8.0	11	6.2

SRTC.0730 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ		D (mm) ±0.3
				Max.	Typ.	20°C Rise	40°C Rise	
SRTC.0730.YZ1R0MT00	1.0	100/0.1	5.00	28.0	30.0	16.1	21.8	6.6
SRTC.0730.YZ1R5MT00	1.5	100/0.1	8.25	23.5	25.0	12.0	15.3	6.6
SRTC.0730.YZ2R2MT00	2.2	100/0.1	13.7	17.0	19.0	10.0	13.0	6.2
SRTC.0730.YZ2R7MT00	2.7	100/0.1	15.4	13.5	16.0	9.20	11.4	6.2
SRTC.0730.YZ3R3MT00	3.3	100/0.1	18.0	13.0	15.0	8.00	10.0	6.2
SRTC.0730.YZ4R7MT00	4.7	100/0.1	26.7	12.2	13.5	6.90	9.00	6.2
SRTC.0730.YZ5R6MT00	5.6	100/0.1	33.2	11.5	12.5	5.30	7.30	6.2
SRTC.0730.YZ6R8MT00	6.8	100/0.1	42.5	11.0	12.0	4.50	6.80	6.2
SRTC.0730.YZ8R2MT00	8.2	100/0.1	48.7	9.0	10.2	3.00	5.90	6.2

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

※额定电流: 指使电感量比初始值下降 30%TYP 或电感器表面温度上升 40°C TYP 的电流值 (参考周围环境温度 25°C)
The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40°C TYP, whichever is smaller (Reference ambient temperature 25°C).

◆ELECTRICAL CHARACTERISTICS:

SRTC.0770 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ		D (mm) ±0.3
				Max.	Typ.	20°C Rise	40°C Rise	
SRTC.0770.YZ3R3M00	3.3	100/0.1	9.42	15.1	19.4	11.5	15.1	6.70
SRTC.0770.YZ4R7M00	4.7	100/0.1	13.50	14.0	15.5	10.5	13.6	6.70
SRTC.0770.YZ6R8M00	6.8	100/0.1	19.60	11.0	12.8	7.0	9.5	6.50

SRTC.0880 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ		D (mm) ±0.3
				Max.	Typ.	20°C Rise	40°C Rise	
SRTC.0880.YZ1R8MT00	1.8	100/0.1	4.0	24.0	28.0	18.0	24.0	7.2
SRTC.0880.YZ2R2MT00	2.2	100/0.1	4.3	22.0	25.0	16.0	21.5	7.2
SRTC.0880.YZ3R3MT00	3.3	100/0.1	7.3	20.0	23.0	13.5	18.0	6.9
SRTC.0880.YZ4R7MT00	4.7	100/0.1	9.8	17.0	19.0	10.5	14.6	6.9
SRTC.0880.YZ6R8MT00	6.8	100/0.1	14.3	12.5	14.5	8.0	11.3	6.9
SRTC.0880.YZ100MT00	10	100/0.1	22.9	10.0	11.0	6.6	8.7	6.9

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

※额定电流: 指使电感量比初始值下降 30%TYP 或电感器表面温度上升 40°C TYP 的电流值 (参考周围环境温度 25°C)
The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40°C TYP, whichever is smaller (Reference ambient temperature 25°C)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.1010 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ		D (mm) ±0.3
				Max.	Typ.	20°C Rise	40°C Rise	
SRTC.1010.YZ3R3MT00	3.3	100/0.1	4.1	23.4	27.4	18.2	25.0	9.3
SRTC.1010.YZ4R7MT00	4.7	100/0.1	5.7	21.4	25.4	17.5	24.0	9.3
SRTC.1010.YZ5R6MT00	5.6	100/0.1	7.2	19.6	23.6	15.7	21.2	9.3
SRTC.1010.YZ6R8MT00	6.8	100/0.1	8.9	18.5	21.8	14.0	18.5	9.0
SRTC.1010.YZ8R2MT00	8.2	100/0.1	12.4	16.3	18.3	12.9	17.1	9.0
SRTC.1010.YZ100MT00	10	100/0.1	13.75	14.6	17.5	11.5	15.5	9.0
SRTC.1010.YZ150MT00	15	100/0.1	19.30	12.5	15.5	9.9	13.8	9.0

SRTC.1031 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20°C Rise	40°C Rise
SRTC.1031.YZR28MT00	0.28	100/0.1	1.60	58.0	65.0	25.5	35.0
SRTC.1031.YZR56MT00	0.56	100/0.1	2.75	39.0	44.0	23.0	32.0
SRTC.1031.YZR82MT00	0.82	100/0.1	4.10	32.0	38.0	18.0	25.0
SRTC.1031.YZR90MT00	0.9	100/0.1	4.20	31.0	36.0	17.0	24.0
SRTC.1031.YZ1R0MT00	1.0	100/0.1	4.95	30.0	35.0	16.0	23.0
SRTC.1031.YZ1R5MT00	1.5	100/0.1	6.60	25.0	30.0	12.0	18.0

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

※额定电流: 指使电感量比初始值下降 30%TYP 或电感器表面温度上升 40°C TYP 的电流值 (参考周围环境温度 25°C)

The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40°C TYP, whichever is smaller (Reference ambient temperature 25°C)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.1060 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ		D (mm) ±0.3
				Max.	Typ.	20°C Rise	40°C Rise	
SRTC.1060.YZR68MT00	0.68	100/0.1	1.50	50.0	55.0	22.5	34.0	9.5
SRTC.1060.YZ1R0MT00	1.0	100/0.1	2.32	44.0	48.0	20.0	28.5	9.0
SRTC.1060.YZ1R2MT00	1.2	100/0.1	2.64	40.0	45.0	18.0	26.5	9.0
SRTC.1060.YZ1R5MT00	1.5	100/0.1	3.30	36.0	40.0	16.0	24.5	9.0
SRTC.1060.YZ2R2MT00	2.2	100/0.1	4.84	30.0	35.0	14.0	20.0	9.0
SRTC.1060.YZ3R3MT00	3.3	100/0.1	7.70	25.0	28.0	11.4	16.8	9.0
SRTC.1060.YZ4R7MT00	4.7	100/0.1	10.72	22.0	25.0	8.7	14.0	9.0

SRTC.1510 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20°C Rise	40°C Rise
SRTC.1510.YZ4R7MT00	4.7	100/0.1	3.8	39.0	43.0	22.0	30.0
SRTC.1510.YZ5R6MT00	5.6	100/0.1	4.2	34.0	38.0	21.0	28.0
SRTC.1510.YZ6R8MT00	6.8	100/0.1	4.6	31.0	36.0	20.0	26.0
SRTC.1510.YZ8R2MT00	8.2	100/0.1	7.2	28.0	32.0	19.0	25.0

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

※额定电流: 指使电感量比初始值下降 30%TYP 或电感器表面温度上升 40°C TYP 的电流值 (参考周围环境温度 25°C)
The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40°C TYP, whichever is smaller (Reference ambient temperature 25°C)。

◆ELECTRICAL CHARACTERISTICS:

SRTC.1513 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.1513.YZ4R7MT00	4.7	100/0.1	3.30	40.0	44.0	23.0	31.0
SRTC.1513.YZ5R6MT00	5.6	100/0.1	3.90	35.0	40.0	22.0	29.0
SRTC.1513.YZ6R8MT00	6.8	100/0.1	4.20	32.0	37.0	21.0	27.0
SRTC.1513.YZ8R2MT00	8.2	100/0.1	5.74	29.0	33.0	20.0	26.0
SRTC.1513.YZ100MT00	10	100/0.1	7.00	27.0	30.0	19.0	25.0
SRTC.1513.YZ150MT00	15	100/0.1	7.50	21.0	25.5	16.0	22.0
SRTC.1513.YZ220MT00	22	100/0.1	13.86	19.0	22.0	12.0	17.0
SRTC.1513.YZ330MT00	33	100/0.1	22.20	16.0	19.0	9.0	14.0

SRTC.1580 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)		Heat Rating Current (A) Typ	
				Max.	Typ.	20℃ Rise	40℃ Rise
SRTC.1580.YZ2R0MT00	2.0	100/0.1	2.21	52.0	57.0	29.5	40.0
SRTC.1580.YZ2R2MT00	2.2	100/0.1	2.48	49.0	55.0	28.0	37.0
SRTC.1580.YZ3R0MT00	3.0	100/0.1	3.00	41.0	46.0	26.0	34.5
SRTC.1580.YZ4R2MT00	4.2	100/0.1	4.68	33.0	38.0	20.5	27.0
SRTC.1580.YZ5R3MT00	5.3	100/0.1	5.34	31.0	35.0	19.5	26.0
SRTC.1580.YZ6R2MT00	6.2	100/0.1	6.50	31.0	34.0	17.0	23.0
SRTC.1580.YZ7R2MT00	7.2	100/0.1	7.20	29.0	32.0	15.0	21.0
SRTC.1580.YZ8R2MT00	8.2	100/0.1	7.92	25.0	28.0	13.0	19.0

Note:

※公差 Tolerance: N:±30%、M:±20%、K:±10%.

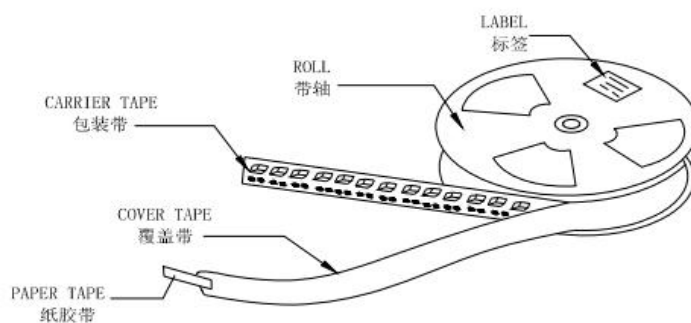
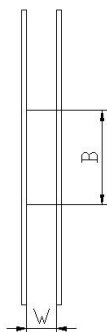
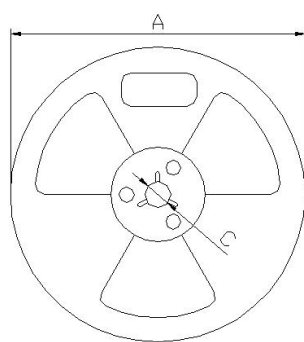
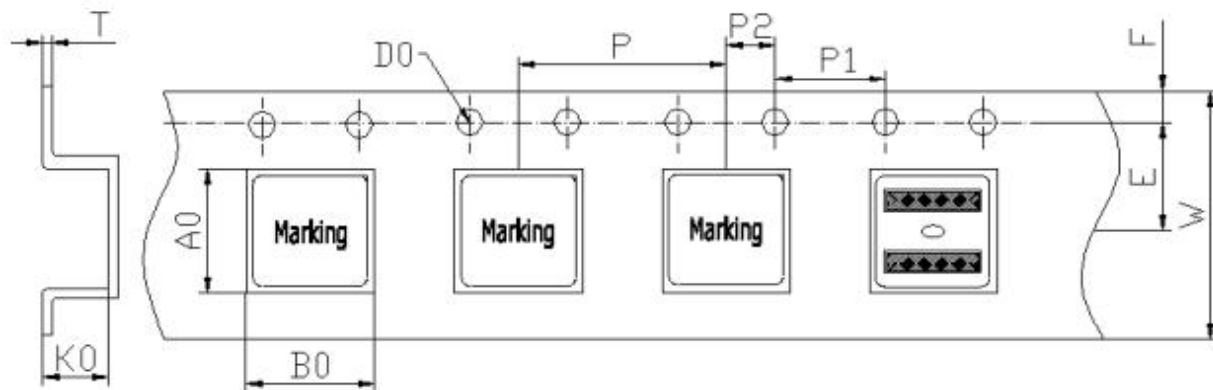
※工作温度 Operating temperature rang: -40 ℃ to +125℃ (Including Self-heating)

※储存温度 Storage temperature rang: -40 ℃ to +125℃

※额定电流: 指使电感量比初始值下降 30%TYP 或电感器表面温度上升 40℃TYP 的电流值 (参考周围环境温度 25℃)

The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃).

◆PACKAGING SPECIFICATION:



Type	Tape Dimension (mm)						Reel Dimension (mm)			Quantity (Pcs/Reel)
	W	A0	B0	K0	D	P	A	B	C	
SRTC.100505	8.00	1.25	0.75	0.65	1.5	4.00	180	60	13	5000
SRTC.100506	8.00	1.25	0.75	0.65	1.5	4.00	180	60	13	5000
SRTC.100565	8.00	1.25	0.75	0.75	1.5	4.00	180	60	13	5000
SRTC.100765	8.00	1.20	0.75	0.75	1.5	4.00	180	60	13	5000
SRTC.100708	8.00	1.20	0.75	0.95	1.5	4.00	180	60	13	5000
SRTC.121065	8.00	1.50	1.35	0.80	1.5	4.00	180	60	13	3000
SRTC.160806	8.00	1.82	1.00	0.80	1.5	4.00	180	60	13	3000
SRTC.160865	8.00	1.82	1.00	0.80	1.5	4.00	180	60	13	3000
SRTC.160808	8.00	1.95	1.10	1.00	1.5	4.00	180	60	13	3000
SRTC.141265	8.00	1.75	1.50	0.80	1.5	4.00	180	60	13	3000
SRTC.141207	8.00	1.75	1.50	1.00	1.5	4.00	180	60	13	3000
SRTC.141208	8.00	1.75	1.50	1.00	1.5	4.00	180	60	13	3000
SRTC.201206	8.00	2.35	1.50	0.80	1.5	4.00	180	60	13	3000
SRTC.201265	8.00	2.35	1.50	0.80	1.5	4.00	180	60	13	3000
SRTC.201208	8.00	2.35	1.50	1.00	1.5	4.00	180	60	13	3000
SRTC.201210	8.00	2.35	1.50	1.20	1.5	4.00	180	60	13	3000
SRTC.201212	8.00	2.35	1.50	1.40	1.5	4.00	180	60	13	3000
SRTC.201655	8.00	2.45	2.00	0.80	1.5	4.00	180	60	13	3000

Type	Tape Dimension (mm)						Reel Dimension (mm)			Quantity (Pcs/Reel)
	W	A0	B0	K0	D0	P	A	B	C	
SRTC.201665	8.00	2.45	2.00	0.80	1.5	4.00	180	60	13	3000
SRTC.201607	8.00	2.45	2.00	1.00	1.5	4.00	180	60	13	3000
SRTC.201608	8.00	2.40	2.00	1.00	1.5	4.00	180	60	13	3000
SRTC.201610	8.00	2.40	2.00	1.20	1.5	4.00	180	60	13	3000
SRTC.201612	8.00	2.40	2.00	1.40	1.5	4.00	180	60	13	3000
SRTC.252055	8.00	2.90	2.40	0.80	1.5	4.00	180	60	13	3000
SRTC.252075	8.00	2.90	2.40	1.00	1.5	4.00	180	60	13	3000
SRTC.252008	8.00	2.90	2.40	1.00	1.5	4.00	180	60	13	3000
SRTC.252010	8.00	2.90	2.40	1.20	1.5	4.00	180	60	13	3000
SRTC.252012	8.00	2.90	2.40	1.40	1.5	4.00	180	60	13	3000
SRTC.322510	8.00	3.50	2.90	1.15	1.5	4.00	180	60	13	3000
SRTC.322512	8.00	3.50	2.90	1.35	1.5	4.00	180	60	13	3000
SRTC.322520	8.00	3.50	2.90	2.20	1.5	4.00	180	60	13	2000
SRTC.0310	12.0	3.40	3.40	1.40	1.5	4.00	300	100	13	3000
SRTC.0312	12.0	3.40	3.40	1.40	1.5	4.00	300	100	13	3000
SRTC.0315	12.0	3.40	3.40	1.70	1.5	4.00	300	100	13	3000
SRTC.0318	12.0	3.40	3.40	2.00	1.5	4.00	300	100	13	3000
SRTC.0320	12.0	3.40	3.40	2.20	1.5	4.00	300	100	13	3000
SRTC.0408	12.0	4.40	4.40	1.00	1.5	8.00	300	100	13	3000
SRTC.0410	12.0	4.40	4.40	1.30	1.5	8.00	300	100	13	3000
SRTC.0412	12.0	4.40	4.40	1.30	1.5	8.00	300	100	13	3000
SRTC.0415	12.0	4.40	4.40	2.20	1.5	8.00	300	100	13	3000
S RTP.0420	12.0	4.40	4.40	2.20	1.5	8.00	300	100	13	3000
S RTP.0430	12.0	4.40	4.40	3.20	1.5	8.00	300	100	13	2000
SRTC.0420	12	4.4	4.4	2.3	1.5	8	330	100	13	3000
SRTC.0430	12	4.4	4.4	3.3	1.5	8	330	100	13	2000
SRTC.0520	12	6.0	5.7	2.3	1.5	8	330	100	13	3000
SRTC.0530	12	6.0	5.7	3.3	1.5	8	330	100	13	2000
SRTC.0550	12	6.0	5.7	5.3	1.5	8	330	100	13	1500
SRTC.0630	16	7.0	6.8	3.3	1.5	12	330	100	13	1000
SRTC.0650	16	7.0	6.8	5.3	1.5	12	330	100	13	800
SRTC.0660	16	7.0	6.8	6.3	1.5	12	330	100	13	750
SRTC.0720	16	8.2	8.0	2.3	1.5	12	330	100	13	2000
SRTC.0730	16	8.2	8.0	3.3	1.5	12	330	100	13	1500
SRTC.0770	16	8.2	8.0	7.3	1.5	12	330	100	13	700
SRTC.0880	24	9.4	8.5	8.5	1.5	16	330	100	13	450
SRTC.1010	24	12.4	11.5	10.3	1.5	16	330	100	13	300
SRTC.1031	24	12.4	11.5	3.3	1.5	16	330	100	13	1000
SRTC.1060	24	12.4	11.5	6.3	1.5	16	330	100	13	500
SRTC.1510	32	17.0	16.0	10.5	1.5	24	330	100	13	150
SRTC.1513	32	17.0	16.0	13.6	1.5	24	330	100	13	100
SRTC.1580	32	17.0	16.0	8.5	1.5	24	330	100	13	200