

# MINIATURE SMD CHIP CHOKE COILS

贴片功率电感

Miniature SMD Chip Inductors

Operating Temp:-25℃ ~ 85℃



**特征:**

- 具有特别的铁芯
- SMSR322520/453226 具有高 Q 值、高频、直流电阻
- SMSR321618/453226C/565047C 具有直流电阻、高电流容量、和高阻抗的特征、适合用作扼流圈在直流供电电路。

**FEATURES:**

- These miniature chip inductors wound on a special ferrite core.
- SMSR322520/453226 are high Q value at high frequencies and low DC resistance.
- SMSR321618/453226C/565047C are low DC resistance, high current capacity, and high impedance characteristics. they are excellent for use as choke coil in DC power supply circuits

**用途:**

- 传呼机, 无线电话.
- 高速无线产品.
- 个人电脑.
- 磁盘驱动器和电脑设备.
- 直流供电电路.

**APPLICATIONS:**

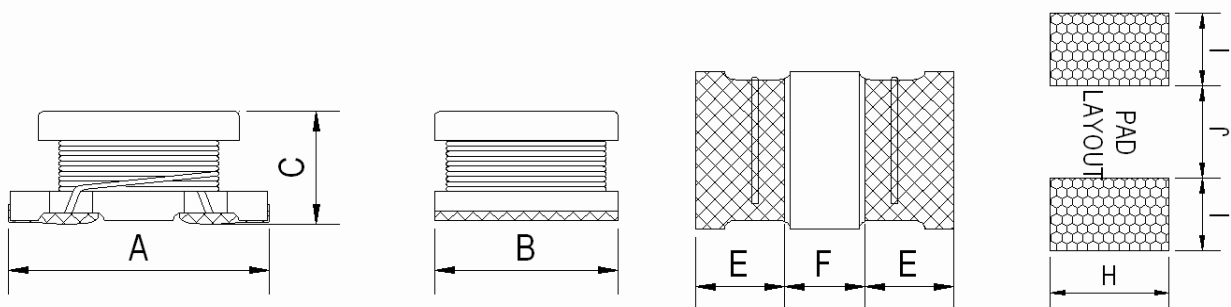
- Pagers, Cordless phone.
- High Freq. Communication Products.
- Personal computers.
- Disk Drives and computer peripherals.
- DC power supply circuits.

**产品型号:**

**PRODUCT IDENTIFICATION:**

<b>SMSR</b>	<b>322520</b>	<b>100</b>	<b>K</b>	<b>I</b>													
①	②	③	④	⑤													
①		②			③												
<table border="1"> <tr><td colspan="2">类型 Type</td></tr> <tr><td>SMSR</td><td>贴片功率电感 Miniature SMD Chip Inductors</td></tr> </table>		类型 Type		SMSR	贴片功率电感 Miniature SMD Chip Inductors	<table border="1"> <tr><td colspan="2">外形尺寸(LxWxH) (mm) External Dimensions (LxWxH) (mm)</td></tr> <tr><td>322520</td><td>3.2x2.5x2.0</td></tr> </table>		外形尺寸(LxWxH) (mm) External Dimensions (LxWxH) (mm)		322520	3.2x2.5x2.0	<table border="1"> <tr><td colspan="2">Inductance</td></tr> <tr><td colspan="2">10 uH</td></tr> </table>		Inductance		10 uH	
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Shape and Size(Dimension are in mm):



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Part No	A	B	C	E	F	H	I	J
SMSR321618	3.2±0.3	1.6±0.2	1.8±0.3	0.7 min	0.7 min	1.5	1.5	1.0
SMSR322520	3.2±0.3	2.5±0.2	2.0±0.3	0.7 min	0.7 min	1.5	1.5	1.0
SMSR453226	4.5±0.3	3.2±0.2	2.6±0.3	1.0 min	1.0 min	2.0	2.0	1.2
SMSR575047	5.7±0.3	5.0±0.2	4.7±0.3	1.0 min	1.7 min	2.0	2.0	2.0

## SMSR321618 Series

Part No.	Inductance(uH)			Quality Factor		DCR (ohm) Max	SRF (MHz) Min	Rated DC Current (mA)Max
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.			
SMSR321618-R12M	0.12	M	100KHz	20	25.2MHz	0.112	250	950
SMSR321618-R22M	0.22	M	100KHz	20	25.2 MHz	0.140	250	850
SMSR321618-R47M	0.47	M	100KHz	25	25.2 MHz	0.210	180	700
SMSR321618-1R0M	1.0	M	100KHz	25	7.96 MHz	0.364	100	510
SMSR321618-2R2M	2.2	M	100KHz	30	7.96 MHz	0.533	50	430
SMSR321618-4R7M	4.7	M	100KHz	30	7.96 MHz	0.845	31	340
SMSR321618-100M	10	M	100KHz	30	2.52 MHz	1.690	21	230
SMSR321618-220M	22	M	100KHz	20	2.52 MHz	3.900	40	160
SMSR321618-470K	47	K	100KHz	20	2.52 MHz	10.40	10	100

## SMSR322520 Series

Part No.	Inductance(uH)			Quality Factor		DCR (ohm) Max	SRF (MHz) Min	Rated DC Current (mA)Max
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.			
SMSR322520-R10M	0.10	M	100KHz	20	25.2 MHz	0.25	200	700
SMSR322520-R18M	0.18	M	100KHz	20	25.2 MHz	0.25	200	650
SMSR322520-R27M	0.27	M	100KHz	25	25.2 MHz	0.25	200	530
SMSR322520-R39M	0.39	M	100KHz	25	25.2 MHz	0.25	200	530
SMSR322520-R56M	0.56	M	100KHz	30	25.2 MHz	0.25	160	470
SMSR322520-R68M	0.68	M	100KHz	30	25.2 MHz	0.25	160	450
SMSR322520-R82M	0.82	M	100KHz	30	25.2 MHz	0.25	120	445
SMSR322520-1R0M	1.0	M	100KHz	20	1 MHz	0.25	100	450
SMSR322520-1R2M	1.2	M	100KHz	20	1 MHz	0.5	100	425
SMSR322520-1R5M	1.5	M	100KHz	20	1 MHz	0.6	75	400
SMSR322520-1R8M	1.8	M	100KHz	20	1 MHz	0.6	60	390
SMSR322520-2R2M	2.2	M	100KHz	20	1 MHz	0.7	50	370
SMSR322520-2R7M	2.7	M	100KHz	20	1 MHz	0.8	43	320
SMSR322520-3R3M	3.3	M	100KHz	20	1 MHz	1.0	38	300
SMSR322520-3R9M	3.9	M	100KHz	20	1 MHz	1.1	35	290
SMSR322520-4R7M	4.7	M	100KHz	20	1 MHz	1.2	31	270
SMSR322520-5R6M	5.6	M	100KHz	20	1 MHz	1.3	28	250
SMSR322520-6R8M	6.8	M	100KHz	20	1 MHz	1.5	25	240
SMSR322520-8R2M	8.2	M	100KHz	20	1 MHz	1.6	23	225
SMSR322520-100M	10	M	100KHz	35	1 MHz	1.8	20	190
SMSR322520-120M	12	M	100KHz	35	1 MHz	2.0	18	180

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## SMSR322520 Series

Part No.	Inductance(uH)			Quality Factor		DCR (ohm) Max	SRF (MHz) Min	Rated DC Current (mA)Max
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.			
SMSR322520-150M	15	M	100KHz	35	1 MHz	2.2	16	170
SMSR322520-180M	18	M	100KHz	35	1 MHz	2.5	15	165
SMSR322520-220M	22	M	100KHz	35	1 MHz	2.8	14	150
SMSR322520-270K	27	K	100KHz	35	1 MHz	3.1	13	125
SMSR322520-330K	33	K	100KHz	40	1 MHz	3.5	12	115
SMSR322520-390K	39	K	100KHz	40	1 MHz	3.9	11	110
SMSR322520-470K	47	K	100KHz	40	1 MHz	4.3	11	100
SMSR322520-560K	56	K	100KHz	40	1 MHz	4.9	10.0	85
SMSR322520-680K	68	K	100KHz	40	1 MHz	5.5	9.0	80
SMSR322520-820K	82	K	100KHz	40	1 MHz	6.2	8.5	70
SMSR322520-101K	100	K	100KHz	40	796 MHz	7.0	8.0	80
SMSR322520-121K	120	K	100KHz	40	796 MHz	8.0	7.5	75
SMSR322520-151K	150	K	100KHz	40	796 MHz	9.3	7.0	70
SMSR322520-181K	180	K	100KHz	40	796 MHz	10.2	6.0	65
SMSR322520-221K	220	K	100KHz	40	796 MHz	11.8	5.5	65
SMSR322520-271K	270	K	100KHz	40	796 MHz	12.5	5.0	65
SMSR322520-331K	330	K	100KHz	40	796 MHz	13.0	5.0	65
SMSR322520-391K	390	K	100KHz	50	796 MHz	22.0	5.0	50
SMSR322520-471K	470	K	100KHz	50	796 MHz	25.0	5.0	45
SMSR322520-561K	560	K	100KHz	50	796 MHz	28.0	5.0	40

## SMSR453226 Series

Part NO.	Inductance(uH)			Quality Factor		DCR (ohm) Max	SRF (MHz) Min	Rated DC Current (mA)Max
	Nominal Value	Tole.	Test Freq	Spec. Min	Test Freq.			
SMSR453226-1R0M	1.0	M	100KHz	20	1MHz	0.2	120	500
SMSR453226-1R2M	1.2	M	100KHz	20	1MHz	0.2	100	500
SMSR453226-1R5M	1.5	M	100KHz	20	1MHz	0.3	85	500
SMSR453226-1R8M	1.8	M	100KHz	20	1MHz	0.3	75	500
SMSR453226-2R2M	2.2	M	100KHz	20	1MHz	0.3	62	500
SMSR453226-2R7M	2.7	M	100KHz	20	1MHz	0.32	53	500
SMSR453226-3R3M	3.3	M	100KHz	20	1MHz	0.35	47	500
SMSR453226-3R9M	3.9	M	100KHz	20	1MHz	0.38	41	500
SMSR453226-4R7M	4.7	M	100KHz	30	1MHz	0.4	38	500
SMSR453226-5R6M	5.6	M	100KHz	30	1MHz	0.47	33	500
SMSR453226-6R8M	6.8	M	100KHz	30	1MHz	0.50	31	450
SMSR453226-8R2M	8.2	M	100KHz	30	1MHz	0.56	27	450
SMSR453226-100M	10	M	100KHz	35	1MHz	0.56	23	400
SMSR453226-120M	12	M	100KHz	35	1MHz	0.62	21	380
SMSR453226-150M	15	M	100KHz	35	1MHz	0.73	19	360
SMSR453226-180M	18	M	100KHz	35	1MHz	0.82	17	340
SMSR453226-220M	22	M	100KHz	35	1MHz	0.94	15	320
SMSR453226-270K	27	K	100KHz	35	1MHz	1.1	14	300
SMSR453226-330K	33	K	100KHz	35	1MHz	1.2	12	270

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## SMSR453226 Series

Part NO.	Inductance(uH)			Quality Factor		DCR (ohm) Max	SRF (MHz) Min	Rated DC Current (mA)Max
	Nominal Value	Tole.	Test Freq	Spec. Min	Test Freq.			
SMSR453226-390K	39	K	100KHz	35	1MHz	1.4	11	240
SMSR453226-470K	47	K	100KHz	35	1MHz	1.5	10	220
SMSR453226-560K	56	K	100KHz	35	1MHz	1.7	9.3	200
SMSR453226-680K	68	K	100KHz	35	1MHz	1.9	8.4	180
SMSR453226-820K	82	K	100KHz	35	1MHz	2.2	7.5	170
SMSR453226-101K	100	K	100KHz	40	796MHz	2.5	6.8	160
SMSR453226-121K	120	K	100KHz	40	796MHz	3.0	6.2	150
SMSR453226-151K	150	K	100KHz	40	796MHz	3.7	5.5	130
SMSR453226-181K	180	K	100KHz	40	796MHz	4.5	5.0	120
SMSR453226-221K	220	K	100KHz	40	796MHz	5.4	4.5	110
SMSR453226-271K	270	K	100KHz	40	796MHz	6.8	4.0	100
SMSR453226-331K	330	K	100KHz	40	796MHz	8.2	3.6	95
SMSR453226-391K	390	K	100KHz	40	796MHz	9.7	3.3	90
SMSR453226-471K	470	K	100KHz	40	796MHz	11.8	3.0	80
SMSR453226-561K	560	K	100KHz	40	796MHz	14.5	2.7	70
SMSR453226-681K	680	K	100KHz	40	796MHz	17.0	2.5	65
SMSR453226-821K	820	K	100KHz	40	796MHz	20.5	2.2	60
SMSR453226-102K	1000	K	100KHz	40	252MHz	25.0	2.0	50
SMSR453226-122K	1200	K	100KHz	40	252MHz	30.0	1.8	45
SMSR453226-152K	1500	K	100KHz	40	252MHz	37.0	1.6	40
SMSR453226-182K	1800	K	100KHz	40	252MHz	45.0	1.5	35
SMSR453226-222K	2200	K	100KHz	40	252MHz	50	1.3	30

## SMSR575047 Series

Part No.	Inductance(uH)			Quality Factor		DCR (ohm) Max	SRF (MHz) Min	Rated DC Current (mA)Max
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.			
SMSR575047-R12M	0.12	M	100KHz	20	1MHz	0.0098	450	6000
SMSR575047-R27M	0.27	M	100KHz	20	1MHz	0.0140	300	5300
SMSR575047-R47M	0.47	M	100KHz	20	1MHz	0.0182	200	4800
SMSR575047-1R0M	1.0	M	100KHz	20	1MHz	0.0270	150	4000
SMSR575047-1R5M	1.5	M	100KHz	20	1MHz	0.0310	110	3700
SMSR575047-2R2M	2.2	M	100KHz	20	1MHz	0.0410	80	3200
SMSR575047-3R3M	3.3	M	100KHz	20	1MHz	0.0500	40	2900
SMSR575047-4R7M	4.7	M	100KHz	30	1MHz	0.0574	30	2700
SMSR575047-6R8M	6.8	M	100KHz	30	1MHz	0.1040	25	2000
SMSR575047-100M	10	M	100KHz	35	1MHz	0.1300	20	1700
SMSR575047-150M	15	M	100KHz	30	1MHz	0.210	17	1400
SMSR575047-220M	22	M	100KHz	30	1MHz	0.266	15	1200
SMSR575047-330K	33	K	100KHz	35	1MHz	0.448	12	900
SMSR575047-470K	47	K	100KHz	35	1MHz	0.560	10	800
SMSR575047-680K	68	K	100KHz	35	1MHz	0.938	7.6	640
SMSR575047-101K	100	K	100KHz	40	100MHz	1.204	6.5	560

# MINIATURE SMD CHIP CHOKE COILS

## SMSR575047 Series

Part No.	Inductance( $\mu$ H)			Quality Factor		DCR (ohm) Max	SRF (MHz) Min	Rated DC Current (mA)Max
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.			
SMSR575047-151K	150	K	100KHz	40	100MHz	2.660	5.0	420
SMSR575047-221K	220	K	100KHz	40	100MHz	3.360	4.0	320
SMSR575047-331K	330	K	100KHz	40	100MHz	6.160	3.1	270
SMSR575047-471K	470	K	100KHz	40	100MHz	7.560	2.4	240
SMSR575047-681K	680	K	100KHz	40	100MHz	11.34	1.9	190
SMSR575047-102K	1000	K	100KHz	40	100MHz	14.42	1.7	150
SMSR575047-222J	2200	J	100KHz	40	100MHz	30.10	1.2	100
SMSR575047-472J	4700	J	100KHz	40	100MHz	61.04	0.8	70
SMSR575047-103J	10000	J	100KHz	40	100MHz	140.0	0.5	50