

# MINIATURE SMD CHIP CHOKE COILS

闭磁路贴片电感

Shielded SMD Power Inductors

Operating Temp: -30 °C ~ 100 °C



**特征:**

- 协调,小尺寸,大电流,低直流阻抗。
- 具有抗电磁干扰。
- 平底表面有利于安装。
- 可利用的磁带和自动卷轴表面的设置。

**FEATURES:**

- Compact, low profile with low Rdc and large current.
- With magnetic shield against radiation.
- Flat bottom surface allows for reliable mounting on the board.
- Available on tape and reel for auto surface mounting.

**用途:**

- 便携式电话。
- 个人电脑。
- 直流/直流转换器等。
- 其它各种电子电器。

**APPLICATIONS:**

- Portable telephones.
- Personal computers
- DC/Dc converters, etc.
- Other various electronic appliances.

**产品型号:**

**PRODUCT IDENTIFICATION:**

**SMDRS**

**7032**

**101**

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类型 Type	
SMDRS	闭磁路贴片电感 Shielded SMT Power Inductors

外形尺寸(L×H) (mm) External Dimensions (L×W×H) (mm)	
7032	7.0×7.0×3.2

Inductance
100 uH

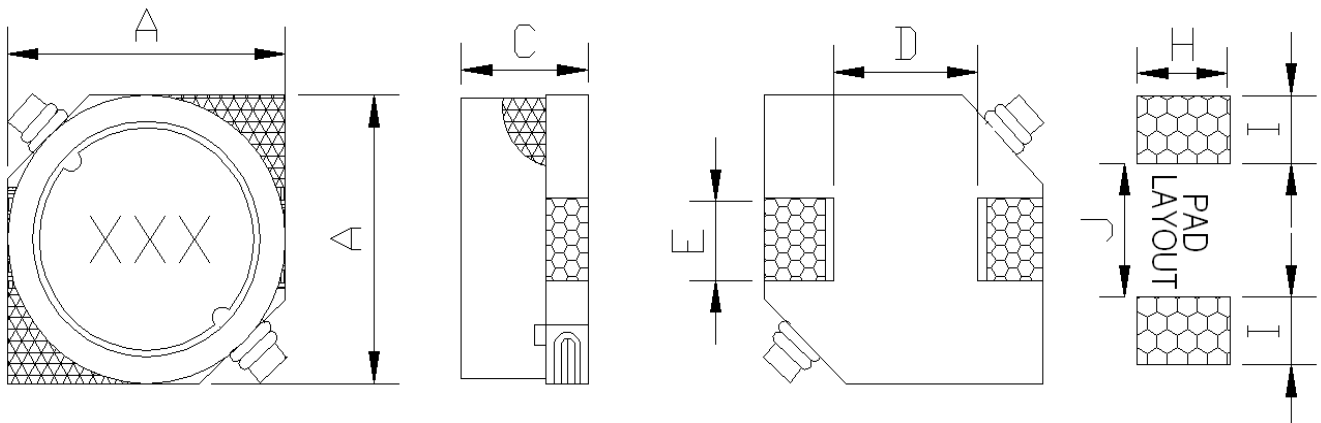
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Tolerance	
J: ±5%, K: ±10%, L: ±15%	
M: ±20%, P: ±25%, N: ±30%	

包装 Packing	
B	散装 Bulk Package
T	编带 Tape & Reel

Shape and Size (Dimension are in mm):



# MINIATURE SMD CHIP CHOKE COILS

Part No	A	C	D	E	H	I	J
SMDRS6028	6.0±0.2	2.8±0.2	3.0	2.0	2.2	2.0	3.0
SMDRS7028	7.0±0.2	2.8±0.2	4.0	2.0	2.2	2.0	4.0
SMDRS7030	7.0±0.2	3.0±0.2	4.0	2.0	2.2	2.0	4.0
SMDRS7032	7.0±0.2	3.2±0.2	4.0	2.0	2.2	2.0	4.0
SMDRS7045	7.0±0.2	4.5±0.3	4.0	2.0	2.2	2.0	4.0
SMDRS1045	10.1±0.2	4.5±0.3	6.0	3.2	3.2	2.5	5.6
SMDRS1255	12.5±0.3	5.5±0.35	8.6	3.2	3.2	2.5	8.6
SMDRS1265	12.5±0.3	6.5±0.35	8.6	3.2	3.2	2.5	8.6
SMDRS1275	12.5±0.3	7.5±0.35	8.6	3.2	3.2	2.5	8.6

## SMDRS6028 Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
SMDRS6028-3R3N	3.3	N	100KHz	20	1MHz			
SMDRS6028-4R7N	4.7	N	100KHz	30	1MHz	0.036	1.60	2.50
SMDRS6028-6R8N	6.8	N	100KHz	30	1MHz	0.052	1.50	2.20
SMDRS6028-100N	10	N	100KHz	30	1MHz	0.068	1.30	1.80
SMDRS6028-150N	15	N	100KHz	35	1MHz	0.100	1.00	1.40
SMDRS6028-220N	22	N	100KHz	35	1MHz	0.120	0.77	1.30
SMDRS6028-330N	33	N	100KHz	35	1MHz	0.180	0.69	1.10
SMDRS6028-470N	47	N	100KHz	35	1MHz	0.270	0.59	0.92
SMDRS6028-680N	68	N	100KHz	35	1MHz	0.390	0.50	0.78

## SMDRS7028 Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
SMDRS7028-3R3N	3.3	N	100KHz	20	1MHz	0.037	1.60	1.60
SMDRS7028-4R7N	4.7	N	100KHz	30	1MHz	0.045	1.50	1.50
SMDRS7028-6R8N	6.8	N	100KHz	30	1MHz	0.59	1.30	1.30
SMDRS7028-100N	10	N	100KHz	30	1MHz	0.083	1.10	1.10
SMDRS7028-150N	15	N	100KHz	35	1MHz	0.130	0.88	0.88
SMDRS7028-220N	22	N	100KHz	35	1MHz	0.180	0.75	0.75
SMDRS7028-330N	33	N	100KHz	35	1MHz	0.240	0.65	0.65
SMDRS7028-470N	47	N	100KHz	35	1MHz	0.340	0.54	0.54
SMDRS7028-680N	68	N	100KHz	35	1MHz			

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## SMDRS7030 Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
SMDRS7030-3R3N	3.3	N	100KHz	20	1MHz	0.023	1.80	1.80
SMDRS7030-4R7N	4.7	N	100KHz	30	1MHz	0.036	1.60	1.60
SMDRS7030-6R8N	6.8	N	100KHz	30	1MHz	0.041	1.50	1.50
SMDRS7030-100N	10	N	100KHz	30	1MHz	0.053	1.30	1.30
SMDRS7030-150N	15	N	100KHz	35	1MHz	0.084	1.00	1.00
SMDRS7030-220N	22	N	100KHz	35	1MHz	0.110	0.86	0.86
SMDRS7030-330N	33	N	100KHz	35	1MHz	0.160	0.65	0.65
SMDRS7030-470N	47	N	100KHz	35	1MHz	0.240	0.57	0.57
SMDRS7030-680N	68	N	100KHz	35	1MHz	0.310	0.49	0.49
SMDRS7030-101N	100	N	100KHz	40	0.796MHz	0.450	0.35	0.35

## SMDRS7032 Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
SMDRS7032-3R3N	3.3	N	100KHz	20	1MHz	0.023	1.90	1.90
SMDRS7032-4R7N	4.7	N	100KHz	30	1MHz	0.036	1.70	1.70
SMDRS7032-6R8N	6.8	N	100KHz	30	1MHz	0.041	1.60	1.60
SMDRS7032-100N	10	N	100KHz	30	1MHz	0.053	1.40	1.40
SMDRS7032-150N	15	N	100KHz	35	1MHz	0.075	1.10	1.10
SMDRS7032-220N	22	N	100KHz	35	1MHz	0.110	0.96	0.96
SMDRS7032-330N	33	N	100KHz	35	1MHz	0.160	0.75	0.75
SMDRS7032-470N	47	N	100KHz	35	1MHz	0.240	0.67	0.67
SMDRS7032-680N	68	N	100KHz	35	1MHz	0.310	0.59	0.59
SMDRS7032-101N	100	N	100KHz	40	0.796MHz	0.450	0.45	0.45
SMDRS7032-151N	150	N	100KHz	40	0.796MHz	0.650	0.37	0.37
SMDRS7032-221M	220	M	100KHz	40	0.796MHz	1.050	0.29	0.29
SMDRS7032-331M	330	M	100KHz	40	0.796MHz	1.670	0.22	0.22
SMDRS7032-471M	470	M	100KHz	40	0.796MHz	2.050	0.20	0.20
SMDRS7032-681M	680	M	100KHz	40	0.796MHz	3.150	0.16	0.16
SMDRS7032-102M	1000	M	100KHz	40	0.796MHz	4.780	0.13	0.13

# MINIATURE SMD CHIP CHOKE COILS

## SMDRS7045 Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
SMDRS7045-3R3N	3.3	N	100KHz	20	1MHz	0.200	2.50	2.30
SMDRS7045-4R7N	4.7	N	100KHz	30	1MHz	0.030	2.00	2.10
SMDRS7045-6R8N	6.8	N	100KHz	30	1MHz	0.039	1.70	1.74
SMDRS7045-100N	10	N	100KHz	30	1MHz	0.036	1.30	1.78
SMDRS7045-150N	15	N	100KHz	35	1MHz	0.052	1.10	1.53
SMDRS7045-220N	22	N	100KHz	35	1MHz	0.061	0.90	1.34
SMDRS7045-330N	33	N	100KHz	35	1MHz	0.096	0.82	1.09
SMDRS7045-470N	47	N	100KHz	35	1MHz	0.125	0.75	0.92
SMDRS7045-680N	68	N	100KHz	35	1MHz	0.175	0.60	0.77
SMDRS7045-101N	100	N	100KHz	40	0.796MHz	0.250	0.50	0.65
SMDRS7045-151N	150	N	100KHz	40	0.796MHz	0.340	0.40	0.55
SMDRS7045-221M	220	M	100KHz	40	0.796MHz	0.520	0.33	0.45
SMDRS7045-331M	330	M	100KHz	40	0.796MHz	0.740	0.25	0.37
SMDRS7045-471M	470	M	100KHz	40	0.796MHz	1.050	0.22	0.31
SMDRS7045-681M	680	M	100KHz	40	0.796MHz	1.480	0.20	0.27
SMDRS7045-102M	1000	M	100KHz	40	0.796MHz	2.280	0.14	0.25
SMDRS7045-152M	1500	M	100KHz	40	0.796MHz			

## SMDRS1045 Series

Part No	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
SMDRS1045-3R3N	3.3	N	100KHz	20	1MHz			
SMDRS1045-4R7N	4.7	N	100KHz	30	1MHz			
SMDRS1045-6R8N	6.8	N	100KHz	30	1MHz			
SMDRS1045-100N	10	N	100KHz	30	1MHz	0.036	3.00	2.50
SMDRS1045-150N	15	N	100KHz	35	1MHz	0.047	2.40	2.20
SMDRS1045-220N	22	N	100KHz	35	1MHz	0.059	2.10	1.90
SMDRS1045-330N	33	N	100KHz	35	1MHz	0.082	1.60	1.70
SMDRS1045-470N	47	N	100KHz	35	1MHz	0.100	1.40	1.50
SMDRS1045-680N	68	N	100KHz	35	1MHz	0.140	1.20	1.30
SMDRS1045-101N	100	N	100KHz	40	0.796MHz	0.200	1.00	1.10

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## SMDRS1045 Series

Part No	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
SMDRS1045-151N	150	N	100KHz	40	0.796MHz	0.350	0.79	0.81
SMDRS1045-221M	220	M	100KHz	40	0.796MHz	0.470	0.65	0.70
SMDRS1045-331M	330	M	100KHz	40	0.796MHz	0.680	0.54	0.58
SMDRS1045-471M	470	M	100KHz	40	0.796MHz	1.030	0.47	0.47
SMDRS1045-681M	680	M	100KHz	40	0.796MHz	1.600	0.38	0.38
SMDRS1045-102M	1000	M	100KHz	40	0.796MHz	2.800	0.32	0.29
SMDRS1045-152M	1500	M	100KHz	40	0.796MHz	2.400	0.22	0.26

## SMDRS1255 Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
SMDRS1255-1R2N	1.2	N	100KHz	20	1MHz			
SMDRS1255-2R0 N	2.0	N	100KHz	20	1MHz			
SMDRS1255-2R7 N	2.7	N	100KHz	20	1MHz			
SMDRS1255-3R9 N	3.9	N	100KHz	20	1MHz			
SMDRS1255-4R2N	4.2	N	100KHz	20	1MHz			
SMDRS1255-5R6 N	5.6	N	100KHz	30	1MHz			
SMDRS1255-6R0 N	6.0	N	100KHz	30	1MHz	0.016	3.60	4.9
SMDRS1255-6R8 N	6.8	N	100KHz	30	1MHz			
SMDRS1255-7R0 N	7.0	N	100KHz	30	1MHz			
SMDRS1255-100N	10	N	100KHz	35	1MHz	0.021	3.40	4.3
SMDRS1255-150N	15	N	100KHz	35	1MHz	0.025	2.80	3.9
SMDRS1255-220N	22	N	100KHz	35	1MHz	0.033	2.30	3.4
SMDRS1255-330N	33	N	100KHz	35	1MHz	0.041	1.90	3.1
SMDRS1255-470N	47	N	100KHz	35	1MHz	0.061	1.60	2.5
SMDRS1255-680N	68	N	100KHz	35	1MHz	0.083	1.30	2.2
SMDRS1255-101N	100	N	100KHz	40	1MHz	0.117	1.10	1.8
SMDRS1255-151N	150	N	100KHz	40	0.796MHz	0.190	0.88	1.4
SMDRS1255-221M	220	M	100KHz	40	0.796MHz	0.270	0.72	1.2
SMDRS1255-331M	330	M	100KHz	40	0.796MHz	0.410	0.59	1.0
SMDRS1255-471M	470	M	100KHz	40	0.796MHz	0.520	0.49	0.88

# MINIATURE SMD CHIP CHOKE COILS

## SMDRS1255 Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
SMDRS1255-681M	380	M	100KHz	40	0.796MHz	0.760	0.43	0.73
SMDRS1255-102M	1000	M	100KHz	40	0.796MHz	1.120	0.34	0.6
SMDRS1255-152M	1500	M	100KHz	40	0.796MHz	1.730	0.29	0.48

## SMDRS1265 Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
SMDRS1265-1R2N	1.2	N	100KHz	20	1MHz			
SMDRS1265-2R0N	2.0	N	100KHz	20	1MHz	0.011	10.0	6.2
SMDRS1265-2R7N	2.7	N	100KHz	20	1MHz			
SMDRS1265-3R9N	3.9	N	100KHz	20	1MHz			
SMDRS1265-4R2N	4.2	N	100KHz	20	1MHz	0.015	7.3	5.5
SMDRS1265-5R6N	5.6	N	100KHz	30	1MHz			
SMDRS1265-6R0N	6.0	N	100KHz	30	1MHz			
SMDRS1265-6R8N	6.8	N	100KHz	30	1MHz			
SMDRS1265-7R0N	7.0	N	100KHz	30	1MHz	0.017	5.7	5.0
SMDRS1265-100N	10	N	100KHz	35	1MHz	0.020	5.0	4.8
SMDRS1265-150N	15	N	100KHz	35	1MHz	0.023	4.2	4.4
SMDRS1265-220N	22	N	100KHz	35	1MHz	0.031	3.5	3.8
SMDRS1265-330N	33	N	100KHz	35	1MHz	0.040	2.8	3.4
SMDRS1265-470N	47	N	100KHz	35	1MHz	0.057	2.4	2.8
SMDRS1265-680N	68	N	100KHz	35	1MHz	0.078	2.0	2.4
SMDRS1265-101N	100	N	100KHz	40	1MHz	0.123	1.6	1.9
SMDRS1265-151N	150	N	100KHz	40	0.796MHz	0.273	1.0	1.2
SMDRS1265-221M	220	M	100KHz	40	0.796MHz			
SMDRS1265-331M	330	M	100KHz	40	0.796MHz			
SMDRS1265-471M	470	M	100KHz	40	0.796MHz			
SMDRS1265-681M	380	M	100KHz	40	0.796MHz			
SMDRS1265-102M	1000	M	100KHz	40	0.796MHz			
SMDRS1265-152M	1500	M	100KHz	40	0.796MHz			

# MINIATURE SMD CHIP CHOKE COILS

## SMDRS1275 Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
SMDRS1275-1R2N	1.2	N	100KHz	20	1MHz	0.006	13.0	8.2
SMDRS1275-2R0N	2.0	N	100KHz	20	1MHz			
SMDRS1275-2R7N	2.7	N	100KHz	20	1MHz	0.009	10.0	7.0
SMDRS1275-3R9N	3.9	N	100KHz	20	1MHz	0.010	9.0	6.7
SMDRS1275-4R2N	4.2	N	100KHz	20	1MHz			
SMDRS1275-5R6N	5.6	N	100KHz	30	1MHz	0.011	7.8	6.3
SMDRS1275-6R0N	6.0	N	100KHz	30	1MHz			
SMDRS1275-6R8N	6.8	N	100KHz	30	1MHz	0.013	7.2	5.9
SMDRS1275-7R0N	7.0	N	100KHz	30	1MHz			
SMDRS1275-100N	10	N	100KHz	35	1MHz	0.015	5.5	5.4
SMDRS1275-152N	15	N	100KHz	35	1MHz	0.018	4.7	5.0
SMDRS1275-220N	22	N	100KHz	35	1MHz	0.026	4.0	4.0
SMDRS1275-330N	33	N	100KHz	35	1MHz	0.039	3.2	3.4
SMDRS1275-470N	47	N	100KHz	35	1MHz	0.052	2.7	3.0
SMDRS1275-680N	68	N	100KHz	35	1MHz	0.077	2.0	2.4
SMDRS1275-101N	100	N	100KHz	40	1MHz	0.125	1.9	1.9
SMDRS1275-151N	150	N	100KHz	40	0.796MHz	0.175	1.5	1.6
SMDRS1275-221M	220	M	100KHz	40	0.796MHz	0.258	1.3	1.3
SMDRS1275-331M	330	M	100KHz	40	0.796MHz			
SMDRS1275-471M	470	M	100KHz	40	0.796MHz			
SMDRS1275-681M	380	M	100KHz	40	0.796MHz			
SMDRS1275-102M	1000	M	100KHz	40	0.796MHz			
SMDRS1275-152M	1500	M	100KHz	40	0.796MHz			