

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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①

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

②

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

③

Inductance
100 uH

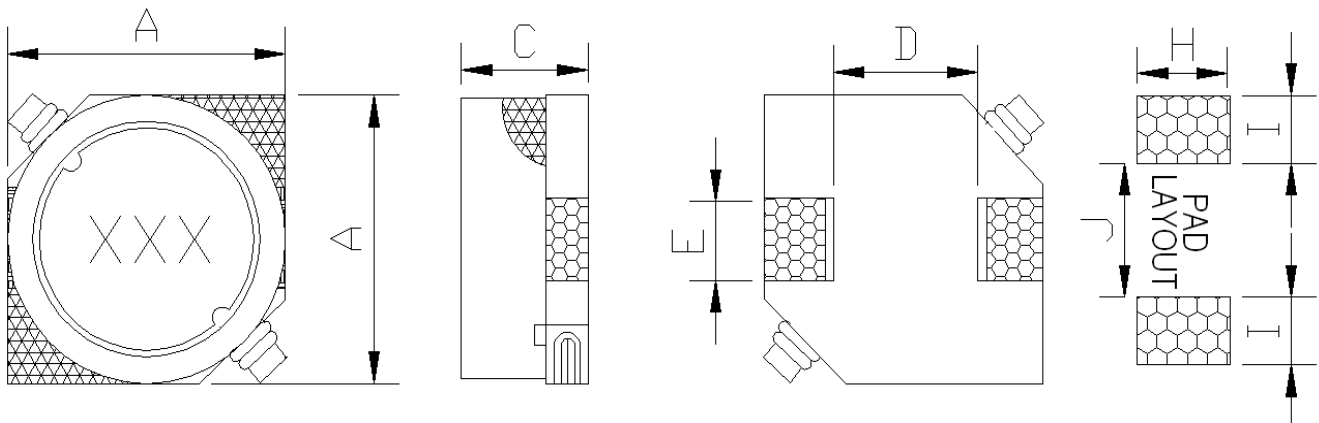
④

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

⑤

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			

MINIATURE SMD CHIP CHOKE COILS

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

MINIATURE SMD CHIP CHOKE COILS

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			

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