

### I FEATURES

High frequency design、excellent Q value excellent SRF/high reliability excellent thermal stability

### I APPLICATIONS

Pagers, Cordless phone、High Freq、Communication Products、Personal computers、Disk Drivers and computer peripherals、DC power supply circuits

### 特征

具有高频、Q 值、高可靠性、抗电磁干扰

### 用途

寻呼机、无线电话、高频通讯产品、个人电脑、磁碟驱动器及电脑外设、直流电源电路。

### I DIMENSIONS

UNIT :mm

TYPE	A	B	C	D	E(Min)	F(Min)
SCDR321618	3.2±0.3	1.6±0.2	2.3±0.2	1.8±0.2	0.9	1.0
SCDR322520	3.2±0.3	2.5±0.2	2.5±0.2	2.0±0.2	0.9	1.0
SCDR453226	4.5±0.3	3.2±0.2	3.6±0.2	2.6±0.2	1.0	1.2
SCDR575047	5.7±0.3	5.0±0.2	5.0±0.2	4.7±0.2	1.3	1.7

### I PART NUMBERING SYSTEM(品名规定)

<u>SCDR</u>	<u>3 2 1 6 1 8</u>	<u>1 0 0</u>	<u>K</u>
1	2	3	4
SMD CHIP	DIMENSIONS	INDUCTANCE	TOLERANCE CODE
CHOKES	A、B、C DIM	10*10 <sup>0</sup> =10uH	J: ±5% K: ±10% L: ±15% M: ±20% P: ±25% N: ±30%
微型表面贴装扼流圈 (DR 型磁芯)	尺寸	电感值	公差

## I ELECTRICAL SPECIFICATION

PART NO	INDUCTANCE ( $\mu$ H)	DCR max( $\Omega$ )	IDC max(mA)	Q (min)	SRF (Min)	L TEST FREQ (MHz)	Q TEST FREQ (MHz)
SCDR321618-R15	0.15	0.546	250	20	250	1	2.52
SCDR321618-R22	0.22	0.602	240	20	250	1	2.52
SCDR321618-R33	0.33	0.630	230	30	250	1	2.52
SCDR321618-R47	0.47	1.162	215	30	200	1	2.52
SCDR321618-R56	0.56	0.854	200	30	180	1	2.52
SCDR321618-R68	0.68	0.938	190	30	160	1	2.52
SCDR321618-R82	0.82	1.022	185	30	120	1	2.52
SCDR321618-1R0	1.0	0.637	175	35	100	1	1
SCDR321618-1R2	1.2	1.17	165	35	90	1	1
SCDR321618-1R5	1.5	1.30	155	35	75	1	1
SCDR321618-1R8	1.8	2.08	150	35	60	1	1
SCDR321618-2R2	2.2	0.91	140	35	50	1	1
SCDR321618-2R7	2.7	0.715	135	35	43	1	1
SCDR321618-3R3	3.3	1.82	130	35	38	1	1
SCDR321618-3R9	3.9	1.95	125	35	35	1	1
SCDR321618-4R7	4.7	2.21	120	35	31	1	1
SCDR321618-5R6	5.6	2.34	115	35	28	1	1
SCDR321618-6R8	6.8	2.60	110	35	25	1	1
SCDR321618-8R2	8.2	2.86	105	35	23	1	1
SCDR321618-100M	10	3.25	100	35	20	1	1
SCDR321618-120M	12	3.51	95	35	18	1	1
SCDR321618-150M	15	3.90	90	35	16	1	1
SCDR321618-180M	18	4.42	85	35	15	1	1
SCDR321618-220M	22	4.03	85	40	14	1	1
SCDR321618-270M	27	4.42	85	40	13	1	1
SCDR321618-330M	33	4.94	80	40	12	1	1
SCDR321618-390M	39	9.36	55	40	11	1	1
SCDR321618-470M	47	10.40	55	40	10	1	1
SCDR321618-560M	56	11.57	50	40	9	1	1
SCDR321618-680M	68	12.87	50	40	8.5	1	1
SCDR321618-820M	82	14.30	45	40	7.5	1	1
SCDR321618-101M	100	15.60	45	40	7	1	1

## I ELECTRICAL SPECIFICATION

PART NO	INDUCTANCE ( $\mu$ H)	DCR max( $\Omega$ )	IDC max(mA)	Q (min)	SRF (Min)	L TEST FREQ (MHz)	Q TEST FREQ (MHz)
SCDR322520-R10	0.10	0.25	700	10	200	1	2.52
SCDR322520-R18	0.18	0.25	650	10	200	1	2.52
SCDR322520-R27	0.27	0.25	600	10	200	1	2.52
SCDR322520-R39	0.39	0.25	530	10	200	1	2.52
SCDR322520-R56	0.56	0.25	530	10	160	1	2.52
SCDR322520-R68	0.68	0.25	470	10	160	1	2.52
SCDR322520-R82	0.82	0.25	450	10	120	1	2.52
SCDR322520-1R0	1.0	0.5	445	10	100	1	1
SCDR322520-1R2	1.2	0.6	425	10	100	1	1
SCDR322520-1R5	1.5	0.6	400	10	75	1	1
SCDR322520-1R8	1.8	0.7	390	10	60	1	1
SCDR322520-2R2	2R2	0.8	370	10	50	1	1
SCDR322520-2R7	2R7	0.9	320	10	43	1	1
SCDR322520-3R3	3R3	1.0	300	10	38	1	1
SCDR322520-3R9	3R9	1.1	290	10	35	1	1
SCDR322520-4R7	4R7	1.2	270	20	31	1	1
SCDR322520-5R6	5R6	1.3	250	20	28	1	1
SCDR322520-6R8	6R8	1.5	240	20	25	1	1
SCDR322520-8R2	8R2	1.6	225	20	23	1	1
SCDR322520-100K	10	1.8	190	25	20	1	1
SCDR322520-120K	12	2.0	180	25	18	1	1
SCDR322520-150K	15	2.2	170	25	16	1	1
SCDR322520-180K	18	2.5	165	25	15	1	0.796
SCDR322520-220K	22	2.8	150	25	14	1	0.796
SCDR322520-270K	27	3.1	125	25	13	1	0.796
SCDR322520-330K	33	3.5	115	25	12	1	0.796
SCDR322520-390K	39	3.9	110	25	11	1	0.796
SCDR322520-470K	47	4.3	100	25	11	1	0.796
SCDR322520-560K	56	4.9	85	25	10	1	0.796
SCDR322520-680K	68	5.5	80	25	9.0	1	0.796
SCDR322520-820K	82	6.2	70	25	8.5	1	0.796
SCDR322520-101K	100	7.0	80	30	8.0	1	0.796

## I ELECTRICAL SPECIFICATION

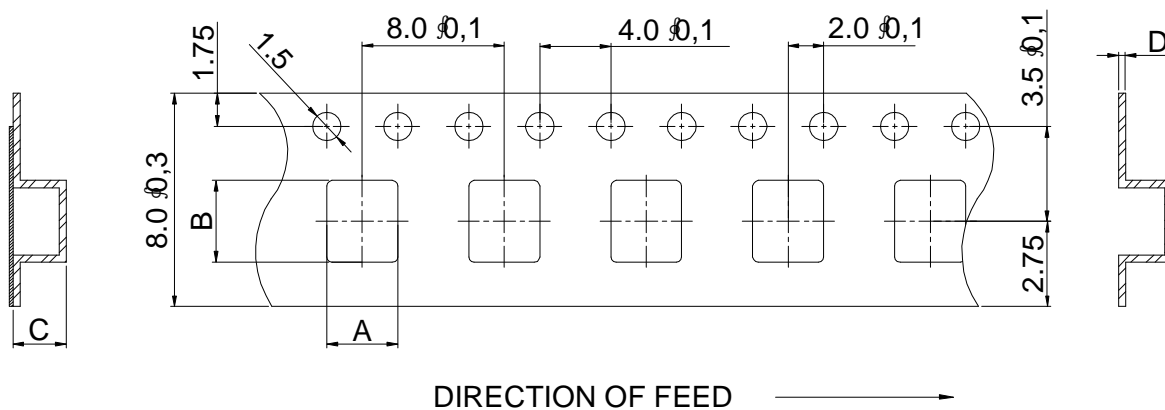
PART NO	INDUCTANCE ( $\mu$ H)	DCR max( $\Omega$ )	IDC max(mA)	Q (min)	SRF (Min)	L TEST FREQ (MHz)	Q TEST FREQ (MHz)
SCDR453226-1R0	1.0	0.20	500	20	120	1	2.52
SCDR453226-1R2	1.2	0.20	500	20	100	1	2.52
SCDR453226-1R5	1.5	0.30	500	20	85	1	2.52
SCDR453226-1R8	1.8	0.30	500	20	75	1	2.52
SCDR453226-2R2	2.2	0.30	500	20	62	1	2.52
SCDR453226-2R7	2.7	0.32	500	20	53	1	2.52
SCDR453226-3R3	3.3	0.35	500	20	47	1	2.52
SCDR453226-3R9	3.9	0.38	500	20	41	1	1
SCDR453226-4R7	4.7	0.40	450	30	38	1	1
SCDR453226-5R6	5.6	0.47	450	30	33	1	1
SCDR453226-6R2	6.2	0.50	400	30	31	1	1
SCDR453226-8R2	8.2	0.56	380	30	27	1	1
SCDR453226-100K	10	0.56	360	35	23	1	0.796
SCDR453226-120K	12	0.62	340	35	21	1	0.796
SCDR453226-150K	15	0.73	320	35	19	1	0.796
SCDR453226-180K	18	0.82	300	35	17	1	0.796
SCDR453226-220K	22	0.94	270	35	15	1	0.796
SCDR453226-270K	27	1.1	240	35	14	1	0.796
SCDR453226-330K	33	1.2	220	35	12	1	0.796
SCDR453226-390K	39	1.4	200	35	11	1	0.796
SCDR453226-470K	47	1.5	180	35	10	1	0.796
SCDR453226-560K	56	1.7	170	35	9.3	1	0.796
SCDR453226-680K	68	1.9	160	35	8.4	1	0.796
SCDR453226-820K	82	2.2	150	35	7.5	1	0.796
SCDR453226-101K	100	2.5	130	40	6.8	1	0.252
SCDR453226-121K	120	3.0	120	40	6.2	1	0.252
SCDR453226-151K	150	3.7	110	40	5.5	1	0.252
SCDR453226-181K	180	4.5	100	40	5.0	1	0.252
SCDR453226-221K	220	5.4	95	40	4.5	1	0.252
SCDR453226-271K	270	6.8	90	40	4.0	1	1
SCDR453226-331K	330	8.2	80	40	3.6	1	1
SCDR453226-391K	390	9.7	70	40	3.3	1	1

## I ELECTRICAL SPECIFICATION

PART NO	INDUCTANCE ( $\mu$ H)	DCR max( $\Omega$ )	IDC max(mA)	Q (min)	SRF (Min)	L TEST FREQ (MHz)	Q TEST FREQ (MHz)
SCDR575047-R12	0.12	0.010	6.0	20	450	1	1
SCDR575047-R27	0.27	0.014	5.3	20	300	1	1
SCDR575047-R47	0.47	0.018	4.8	30	200	1	1
SCDR575047-1R0	1.0	0.027	4.0	30	150	1	1
SCDR575047-1R5	1.5	0.031	3.7	30	110	1	1
SCDR575047-2R2	2.2	0.041	3.2	30	80	1	1
SCDR575047-3R3	3.3	0.050	2.9	30	40	1	1
SCDR575047-4R7	4.7	0.057	2.7	35	30	1	1
SCDR575047-6R8	6.8	0.10	2.0	35	25	1	1
SCDR575047-100	10	0.13	1.7	35	20	1	1
SCDR575047-150	15	0.21	1.4	35	17	1	1
SCDR575047-220	22	0.27	1.2	35	15	1	1
SCDR575047-330	33	0.45	0.9	35	12	1	1
SCDR575047-470	47	0.56	0.8	35	10	1	1
SCDR575047-680	68	0.94	0.64	35	7.6	0.1	0.1
SCDR575047-101	100	1.20	0.56	35	6.5	0.1	0.1
SCDR575047-151	150	2.66	0.42	35	5.0	0.1	0.1
SCDR575047-221	220	3.36	0.32	35	4.0	0.1	0.1
SCDR575047-331	330	6.16	0.27	35	3.1	0.1	0.1
SCDR575047-471	470	7.56	0.24	35	2.4	0.1	0.1
SCDR575047-681	680	11.3	0.19	35	1.9	0.01	0.01
SCDR575047-102	1000	14.4	0.15	35	1.7	0.01	0.01
SCDR575047-152	1500	30.1	0.10	35	1.2	0.01	0.01
SCDR575047-222	2200	45.0	0.09	40	1.1	0.01	0.01
SCDR575047-332	3300	50.0	0.08	40	1.0	0.01	0.01
SCDR575047-472	4700	61.0	0.07	40	0.8	0.01	0.01
SCDR575047-682	6800	100	0.06	40	0.7	0.01	0.01
SCDR575047-822	8200	125	0.05	40	0.6	0.01	0.01
SCDR575047-103	10000	140	0.05	40	0.5	0.01	0.01

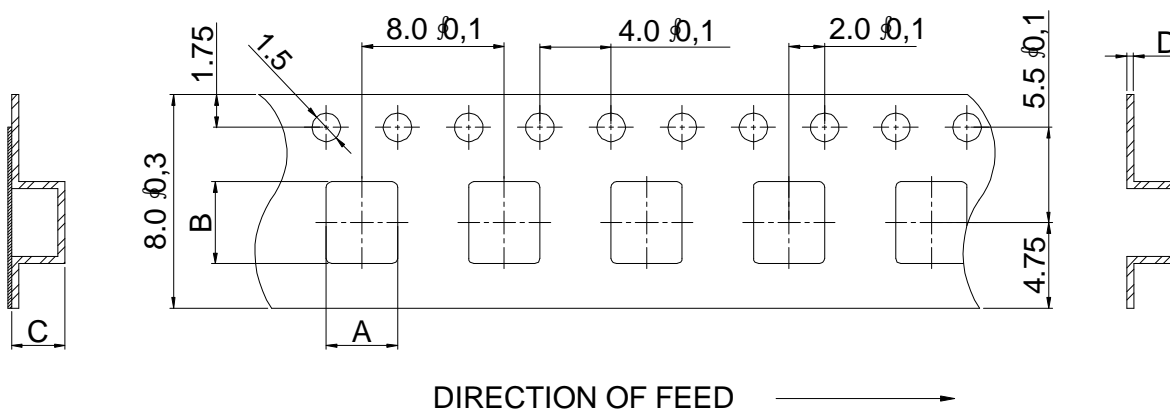
## I PACKING

### 1. SCDR321618/322520 SERIES



PART NO	DIMENSIONS (UNIT :mm)				MINIMUM QTY(PCS)	
	A	B	C	D	Φ178mm/REEL	Φ330mm/REEL
PQSH321618	1.9	3.6	2.0	0.2	1000	3000
PQSH322520	2.9	3.6	2.1	0.2	750	2500

### 2. SCDR453226/575047 SERIES



PART NO	DIMENSIONS (UNIT :mm)				MINIMUM QTY(PCS)	
	A	B	C	D	Φ178mm/REEL	Φ330mm/REEL
SCDR453226	3.6	4.9	2.7	0.3	500	2000
SCDR575047	5.4	6.1	5.0	0.4	200	1000