



SMTSDR SERIES

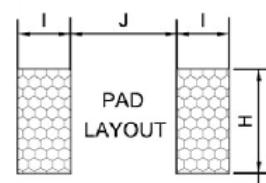
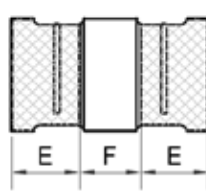
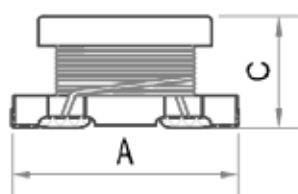
MINIATURE SMD CHIP CHOKE COILS

Applications :

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



Shape and Dimensions (Dimensions are in mm) :



Item	A	B	C	E Min.	F Min.	H	I	J
SMTSDR322515	3.2±0.3	2.5±0.2	1.55±0.3	0.7	0.7	2.0	1.5	1.0
SMTSDR321618C	3.2±0.3	1.6±0.2	1.8±0.3	0.7	0.7	1.5	1.5	1.0
SMTSDR322520(C)	3.2±0.3	2.5±0.2	2.0±0.3	0.7	0.7	2.0	1.5	1.0
SMTSDR453226(C)	4.5±0.3	3.2±0.2	2.6±0.3	1.0	1.0	3.0	2.0	1.2
SMTSDR575047C	5.7±0.3	5.0±0.3	4.7±0.3	1.3	1.7	5.0	2.0	2.0

Features :

- These miniature chip inductors wound on a special ferrite core.
- SMTSDR322520 / 453226 / 322515 are high Q value at high frequencies and low DC resistance.
- SMTSDR321618C / 322520C / 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.

Characteristics :

- Rated Current: It is either the inductance is 10% lower than its initial value in DC. saturation characteristics or temperature raise becomes $\Delta T=20^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$), whichever is lower.
- Operating temp. : -30°C to 105°C .

Product identification :

SMT SDR 4 5 3 2 2 6 C - 1 0 1 K
 (1) (2) (3) (4) (5)

- (1) Type : **Surface Mounting Type.**
- (2) Style : **SDR** Type core, **L=4.5mm W=3.2 Ht=2.6.**
- (3) **C**: for Choke use, No **C**: for general use.
- (4) Inductance : **101** for **100uH.**
- (5) Inductance tolerance : **J** : $\pm 5\%$; **K** : $\pm 10\%$; **M** : $\pm 20\%$.

Test equipments :

- Inductance measured at 0Adc on HP 4284A LCR meter or equivalent.
- DCR measured on Chroma 16502 micro-ohmmeter or equivalent.
- Electrical specifications at 25°C .





● **SMTSDR575047C series**

Part No.	Inductance L (μH)	Tolerance (±%)	Test Freq. (MHz)	DCR (Ω) Max.	SRF (MHz) Min.	Rated Current (mA) Max.
SMTSDR575047C -R12□	0.12	M	1MHz	0.0098	450	6000
SMTSDR575047C -R27□	0.27	M	1MHz	0.0140	300	5300
SMTSDR575047C -R47□	0.47	M	1MHz	0.0182	200	4800
SMTSDR575047C -1R0□	1.0	M	1MHz	0.0270	150	4000
SMTSDR575047C -1R5□	1.5	M	1MHz	0.0310	110	3700
SMTSDR575047C -2R2□	2.2	M	1MHz	0.0410	80	3200
SMTSDR575047C -3R3□	3.3	M	1MHz	0.0500	40	2900
SMTSDR575047C -4R7□	4.7	M	1MHz	0.0574	30	2700
SMTSDR575047C -6R8□	6.8	M	1MHz	0.1040	25	2000
SMTSDR575047C -100□	10	M,K	1MHz	0.1300	20	1700
SMTSDR575047C -150□	15	M,K	1MHz	0.210	17	1400
SMTSDR575047C -220□	22	M,K	1MHz	0.266	15	1200
SMTSDR575047C -330□	33	M,K	1MHz	0.448	12	900
SMTSDR575047C -470□	47	M,K	1MHz	0.560	10(REF.)	800
SMTSDR575047C -680□	68	M,K	1MHz	0.938	7.6	640
SMTSDR575047C -101□	100	M,K	100kHz	1.204	6.5(REF.)	560
SMTSDR575047C -151□	150	M,K	100kHz	2.660	5.0(REF.)	420
SMTSDR575047C -221□	220	M,K	100kHz	3.360	4.0	320
SMTSDR575047C -331□	330	M,K	100kHz	6.160	3.1	270
SMTSDR575047C -471□	470	M,K	100kHz	7.560	2.4	240
SMTSDR575047C -681□	680	M,K	100kHz	11.34	1.9	190
SMTSDR575047C -102□	1000	M,K	10kHz	14.42	1.7	150
SMTSDR575047C -222□	2200	M,K	10kHz	30.10	1.2	100
SMTSDR575047C -472□	4700	M,K	10kHz	61.04	0.8	70
SMTSDR575047C -103□	10000	M,K	10kHz	140.0	0.5	50

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.

