

SNL322522S-Series

FEATURES

- Utilizing miniaturized winding structure.
- These products provide high Q characteristics
- Resin-coated surface enables excellent mounting.
- Low DC resistance design is ideal for low loss
- Precision inductance tolerance is available.



APPLICATIONS

- Personal computer, Hard disk drives.
- ADSL modem and Cable modem
- Digital camera and other electronic equipment.

PRODUCT IDENTIFICATION

SNL 322522 S - 1R0 - J - E

(1) (2) (3) (4) (5) (6)

(1) Product name

(2) Type: 322522 : 3.2 x 2.5 x 2.2mm

(3) S:Signal type ; C:Current type



(4) Inductance , 1R0 :1.0uH, 100 : 10uH

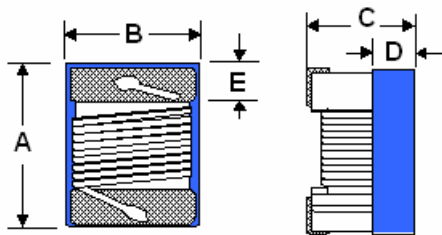
(5) Tolerance,

J : ±5% , K : ±10%

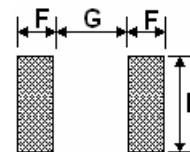
(6) Lead free , RoHS compliant.

SHAPES AND DIMENSIONS (mm)

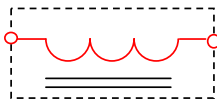
RECOMMENDED FOOTPRINT



- A : 3.6 max.
- B : 2.8 max.
- C : 2.5 max.
- D : (0.8)
- E : 0.6 ± 0.1
- F : 1.0
- G : 2.0
- L : 2.8



Equivalent circuit

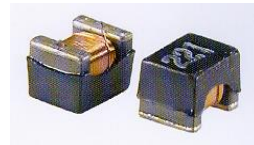


No Polarity

SNL 322522S- Series

Our Product Part Number	Inductance (nH)/MHz	Inductance Tolerance	Q/MHz Min.	SRF(Min.) (MHz)	DCR (Ω)Max.	Irms Max. (mA)
SNL322522S-R56□-E	0.56/25.2	J,K	30/25.2	422	0.34	630
SNL322522S-R82□-E	0.82/25.2	J,K	30/25.2	310	0.54	630
SNL322522S-1R0□-E	1.0/25.2	J,K	30/25.2	239	0.54	630
SNL322522S-1R2□-E	1.2/25.2	J,K	30/25.2	221	0.54	630
SNL322522S-1R5□-E	1.5/25.2	J,K	30/25.2	209	0.54	630
SNL322522S-1R8□-E	1.8/25.2	J,K	30/25.2	203	0.62	630
SNL322522S-2R2□-E	2.2/25.2	J,K	30/25.2	187	0.71	630
SNL322522S-2R7□-E	2.7/25.2	J,K	30/25.2	157	0.74	630
SNL322522S-3R3□-E	3.3/25.2	J,K	30/25.2	146	0.83	600
SNL322522S-3R9□-E	3.9/25.2	J,K	30/25.2	139	1.74	380
SNL322522S-4R7□-E	4.7/25.2	J,K	30/25.2	124	1.90	360
SNL322522S-5R6□-E	5.6/25.2	J,K	30/25.2	114	2.05	330
SNL322522S-6R8□-E	6.8/7.96	J,K	30/7.96	109	1.37	450
SNL322522S-8R2□-E	8.2/7.96	J,K	30/7.96	104	1.50	420
SNL322522S-100□-E	10/7.96	J,K	25/7.96	87	1.70	400
SNL322522S-120□-E	12/7.96	J,K	25/7.96	76	1.88	360
SNL322522S-150□-E	15/7.96	J,K	25/7.96	67	2.22	340
SNL322522S-180□-E	18/7.96	J,K	25/7.96	57	2.42	330
SNL322522S-220□-E	22/7.96	J,K	25/7.96	48	2.66	300
SNL322522S-270□-E	27/2.52	J,K	25/2.52	38	2.99	250
SNL322522S-330□-E	33/2.52	J,K	25/2.52	26	3.24	220
SNL322522S-390□-E	39/2.52	J,K	25/2.52	24	3.61	195
SNL322522S-470□-E	47/2.52	J,K	25/2.52	22	3.96	195
SNL322522S-560□-E	56/2.52	J,K	25/2.52	20	4.36	190
SNL322522S-680□-E	68/2.52	J,K	25/2.52	18	4.73	180
SNL322522S-820□-E	82/2.52	J,K	25/2.52	16	5.95	160
SNL322522S-101□-E	100/2.52	J,K	15/2.52	14	6.62	150
SNL322522S-121□-E	120/2.52	J,K	15/2.52	12	7.33	140
SNL322522S-151□-E	150/2.52	J,K	15/2.52	11	8.29	135
SNL322522S-181□-E	180/2.52	J,K	15/2.52	10	11.53	100
SNL322522S-221□-E	220/1.0	J,K	15/2.52	8	12.48	80

1. Inductance, Q and SRF are measured in HP-E4991A impedance analyzer with HP-16197A fixture.
2. Tolerance : J=5%, K=10% (Table shows stock tolerances in □).
3. RDC is measured in Chroma 16502 mill ohm meter.(or equivalent)
4. I_{rms} For 15°C rise from 25°C ambient.



SNL 322522S- Characteristics(Reference)

