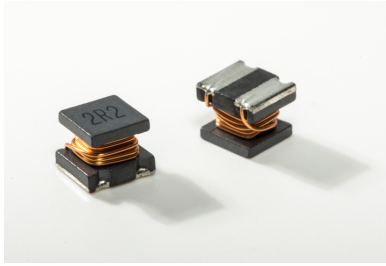


SCDI Series



Features

RoHS Compliant
Low DC resistance, high current, and high inductance
The series exhibits low voltage drops and small variations in inductance with respect to temperature rise and DC current level. This makes them excellent for use as power supply line choke coils.

Applications

Personal computers
Disk drives and computer peripherals
Pagers, cordless phone
DC power supply circuit.

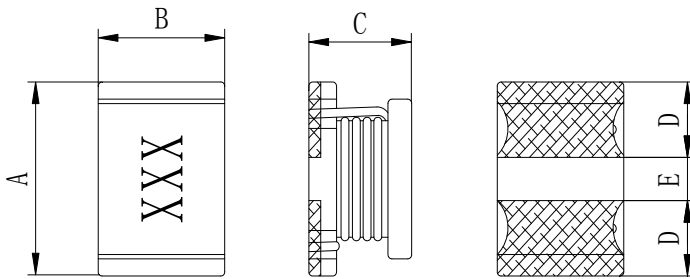
Product Identification

SCDI XXXXXX TL - XXXM
For example: SCDI453226TL-101M

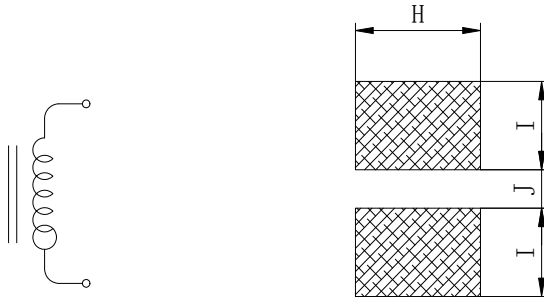
General Specifications

Test Frequency(321618).....1MHz
Test Frequency(322520/453226/575047).....100KHz
Test Voltage.....0.25V
Parameters Test Temp.....25°C
Operation Temp.....-40°C to +125°C
(Including temperature Rise)
Storage Temp.....0-40°C
Storage Humidity.....70% RH
Resistance to Soldering Heat.....260°C for 10 sec
Rated Current.....Ind. drops of 10%typ at Isat
Temperature Rise.....40°C typ. at Irms

Shape And Dimensions



Electrical Schematic & PAD Layout



Standard Specifications

TYPE	A	B	C	D	E	H	I	J
	±0.3	±0.3	±0.3	Ref	Ref	Ref	Ref	Ref
321618	3.20	1.60	1.80	1.20	0.80	1.80	1.85	0.70
322520	3.20	2.50	2.00	1.10	1.00	2.70	1.80	0.80
453226	4.50	3.20	2.60	1.75	1.00	3.50	2.45	1.00
575047	5.70	5.00	4.70	1.85	2.00	5.50	2.85	1.80

Standard Specifications

Stamp	Inductance (uH)	SCDI321618			SCDI322520			SCDI453226			SCDI575047		
		DCR (mΩ) Max	Isat (A)	Irms (A)	DCR (mΩ) Max	Isat (A)	Irms (A)	DCR (mΩ) Max	Isat (A)	Irms (A)	DCR (mΩ) Max	Isat (A)	Irms (A)
R12	0.12	112	0.97	1.60									
R22	0.22	140	0.85	1.35									
R47	0.47	210	0.70	1.08							18	4.80	4.80
1R0	1.0	364	0.51	0.78	100	1.00	1.25	80	1.80	1.75	29	4.00	4.40
1R5	1.5							90	1.20	1.64	35	3.70	3.90
1R8	1.8							100	1.15	1.66			
2R2	2.2	533	0.43	0.66	169	0.70	1.15	110	1.00	1.55	45	3.20	3.50
2R7	2.7							120	0.95	1.50			
3R3	3.3	610	0.38	0.60	180	0.65	1.00	130	0.80	1.42	50	2.90	3.10
3R9	3.9							140	0.78	1.36			
4R7	4.7	845	0.34	0.58	260	0.55	0.98	150	0.75	1.32	63	2.70	2.80
6R8	6.8							200	0.72	1.23	104	2.00	2.38
8R2	8.2							220	1.68	1.18			
100	10.0	1690	0.23	0.40	450	0.30	0.70	240	0.65	1.12	130	1.70	1.85
150	15.0							320	0.57	0.96	230	1.40	1.50
180	18.0							460	0.50	0.75			
220	22.0	3900	0.16	0.25	923	0.25	0.56	600	0.42	0.70	290	1.20	1.23
330	33.0							1000	0.31	0.50	460	0.90	0.96
470	47.0	10400	0.10	0.15	1800	0.17	0.38	1100	0.28	0.45	580	0.80	0.76
680	68.0	13000	0.09	0.12				1700	0.22	0.38	960	0.64	0.68
101	100.0	15600	0.08	0.10	4000	0.15	0.22	2200	0.19	0.34	1250	0.56	0.52
151	150.0							3500	0.13	0.28	2700	0.42	0.40
221	220.0				10920	0.07	0.15	4000	0.12	0.22	3400	0.32	0.30
331	330.0				13000	0.06	0.12	6800	0.11	0.14	6200	0.27	0.26
391	390.0				22100	0.06	0.11	7200	0.10	0.11			
471	470.0				24700	0.05	0.10	8500	0.095	0.10	7650	0.24	0.23
561	560.0				28000	0.04	0.09						
681	680.0							16800	0.090	0.10	11900	0.19	0.19
821	820.0							20000	0.085	0.09			
102	1000.0							25000	0.080	0.08	14420	0.15	0.15
152	1500.0							38500	0.075	0.07	26000	0.12	0.11
222	2200.0							47000	0.070	0.06	30100	0.10	0.10
332	3300.0										50000	0.08	0.08
472	4700.0										61040	0.07	0.07

Note: When ordering, please specify tolerance code. Tolerance: K=±10%, L=±15%, M=±20%, N=±30%

*All the data listed in this catalogue are for reference only, JENG SHI reserves the right to alter or revise the specifications without prior notification.

*Beyond the above specification also can meet the special requirements. Need detailed content Please to the website query or contact us.