

SDI4532C Series

Features :

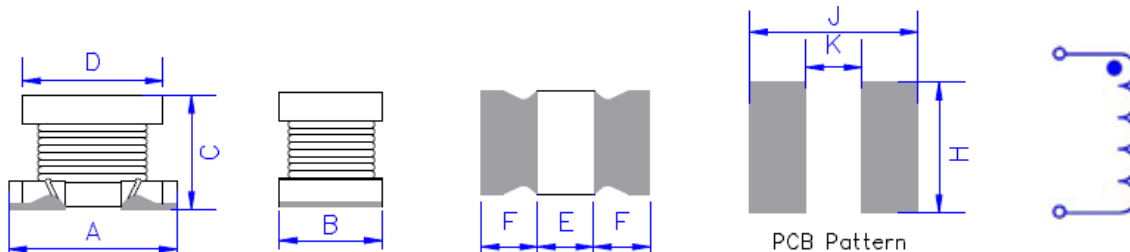
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering methods can be employed
- Open Magnetic circuit construction

Applications :

- LCD panels , Power line choke , DC-DC converter , laptops and PC



Shapes And Dimensions : (Unit :mm)



Type	A	B	C	D	E (ref.)	F (ref.)	H (ref.)	J (ref.)	K (ref.)
SDI4532C	4.5 ± 0.2	3.2 ± 0.2	2.6 ± 0.4	3.6 ± 0.2	1.7	1.4	3.7	5.2	1.0

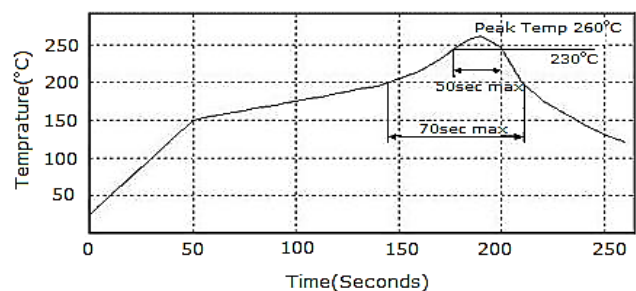
Part Number Code :

SDI 4532C -1R5 M -E
1 2 3 4 5

1. Product type
2. Size code
3. Inductance value (1R5 : 1.5uH 150 : 15uH)
4. Tolerance : N±30% M±20% L±15% K±10% J±5%
5. E: Lead free, Rohs compliant

Reflow Profile :

Peak Temp : 260°C
Max time above 230°C 50sec
Max time above 200°C 70sec



SDI4532C Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SDI4532C-1R0	1.00	M	100KHz 0.25V	0.080	1.080
SDI4532C-1R5	1.50	M	100KHz 0.25V	0.090	1.000
SDI4532C-2R2	2.20	M	100KHz 0.25V	0.110	0.900
SDI4532C-3R3	3.30	M	100KHz 0.25V	0.130	0.800
SDI4532C-4R7	4.70	M	100KHz 0.25V	0.150	0.750
SDI4532C-5R6	5.60	M	100KHz 0.25V	0.230	0.730
SDI4532C-6R8	6.80	M	100KHz 0.25V	0.200	0.720
SDI4532C-100	10.00	M / K	1.0KHz 0.25V	0.240	0.650
SDI4532C-150	15.00	M / K	1.0KHz 0.25V	0.320	0.570
SDI4532C-220	22.00	M / K	1.0KHz 0.25V	0.600	0.420
SDI4532C-330	33.00	M / K	1.0KHz 0.25V	1.000	0.310
SDI4532C-470	47.00	M / K	1.0KHz 0.25V	1.100	0.280
SDI4532C-560	56.00	M / K / J	1.0KHz 0.25V	1.340	0.260
SDI4532C-680	68.00	M / K / J	1.0KHz 0.25V	1.700	0.220
SDI4532C-101	100.00	M / K / J	1.0KHz 0.25V	2.200	0.190
SDI4532C-151	150.00	M / K / J	1.0KHz 0.25V	3.500	0.130
SDI4532C-221	220.00	M / K / J	1.0KHz 0.25V	4.000	0.110
SDI4532C-331	330.00	M / K / J	1.0KHz 0.25V	6.800	0.100
SDI4532C-471	470.00	M / K / J	1.0KHz 0.25V	8.500	0.090
SDI4532C-681	680.00	M / K	1.0KHz 0.25V	14.600	0.065
SDI4532C-102	1000.00	K	1000KHz 0.25V	25.000	0.050

Code "-E" : Lead free process and RoHs compliant

Inductance tolerance : N \pm 30% M \pm 20% L \pm 15% K \pm 10% J \pm 5%

IDC : $\Delta L/L(0A) \leq 10\%$