

SDI565050 Series

Features :

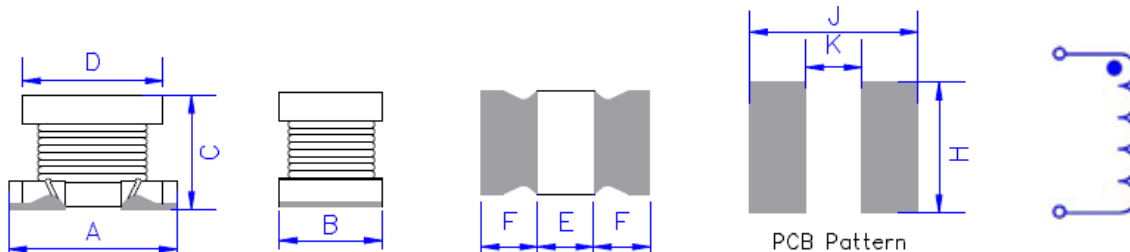
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SDI565050	5.7 ± 0.3	5.0 ± 0.3	4.7 ± 0.3	5.0 ± 0.3	2.0	1.9	5.0	6.0	2.0

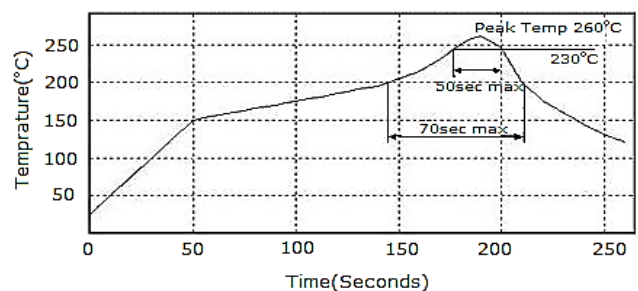
Part Number Code :

SDI 565050 -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



SDI565050 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SDI565050-R12	0.12	M	100KHz 0.25V	0.010	6.000
SDI565050-R27	0.27	M	100KHz 0.25V	0.014	5.300
SDI565050-R47	0.47	M	100KHz 0.25V	0.018	4.800
SDI565050-1R0	1.00	M / K	100KHz 0.25V	0.027	4.000
SDI565050-1R5	1.50	M	100KHz 0.25V	0.031	3.700
SDI565050-2R2	2.20	M	100KHz 0.25V	0.041	3.200
SDI565050-2R7	2.70	N / M	1000KHz 0.10V	0.045	3.100
SDI565050-3R3	3.30	M	100KHz 0.25V	0.050	2.900
SDI565050-4R7	4.70	M / K	100KHz 0.25V	0.057	2.700
SDI565050-6R8	6.80	M	100KHz 0.25V	0.100	2.000
SDI565050-100	10.00	M / K	1.0KHz 0.25V	0.130	1.700
SDI565050-120	12.00	M / K	1.0KHz 0.25V	0.200	1.500
SDI565050-150	15.00	M / K	1.0KHz 0.25V	0.210	1.400
SDI565050-220	22.00	M / K	1.0KHz 0.25V	0.270	1.200
SDI565050-240	24.00	M / K	1.0KHz 0.25V	0.290	1.100
SDI565050-270	27.00	M / K	1.0KHz 0.25V	0.300	1.000
SDI565050-330	33.00	M / K	1.0KHz 0.25V	0.450	0.900
SDI565050-470	47.00	M / K	1.0KHz 0.25V	0.560	0.800
SDI565050-680	68.00	M / K	1.0KHz 0.25V	0.940	0.640
SDI565050-820	82.00	M	1.0KHz 0.25V	1.100	0.700
SDI565050-900	90.00	M / K	1.0KHz 0.25V	1.190	0.580
SDI565050-101	100.00	M / K	1.0KHz 0.25V	1.200	0.560
SDI565050-121	120.00	M / K	1.0KHz 0.25V	1.850	0.490
SDI565050-151	150.00	M / K	1.0KHz 0.25V	2.660	0.420
SDI565050-221	220.00	M / K	1.0KHz 0.25V	3.360	0.320
SDI565050-331	330.00	M / K	1.0KHz 0.25V	6.160	0.270
SDI565050-471	470.00	M / K	1.0KHz 0.25V	7.560	0.240
SDI565050-561	560.00		1.0KHz 0.25V	9.200	0.200
SDI565050-621	620.00	M / K	1.0KHz 0.25V	10.890	0.170
SDI565050-681	680.00	M / K	1.0KHz 0.25V	11.300	0.190
SDI565050-821	820.00	M / K	1.0KHz 0.25V	13.000	0.160
SDI565050-102	1000.00	M / K	1.0KHz 0.25V	14.400	0.150
SDI565050-122	1200.00	M / K	1.0KHz 0.25V	18.000	0.120
SDI565050-152	1500.00	M / K	1.0KHz 0.25V	30.100	0.100
SDI565050-222	2200.00	M / K	1.0KHz 0.25V	45.000	0.090
SDI565050-242	2400.00	M / K	1.0KHz 0.25V	47.000	0.085
SDI565050-332	3300.00	M / K	1.0KHz 0.25V	50.000	0.080
SDI565050-472	4700.00	M / K	1.0KHz 0.25V	61.000	0.070
SDI565050-562	5600.00	M / K	100KHz 0.25V	55.000	0.063
SDI565050-682	6800.00	M / K	1.0KHz 0.25V	100.000	0.060
SDI565050-822	8200.00	M / K	1.0KHz 0.25V	125.000	0.050
SDI565050-103	10000.00	M / K	1.0KHz 0.25V	140.000	0.050
SDI565050-153	15000.00	M	1.0KHz 0.25V	155.000	0.030

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

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



ISO 9001



Management System
Certification
MS023