

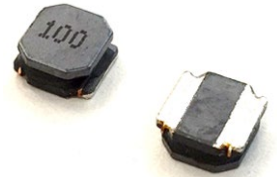
SDIA3012 Series

Features :

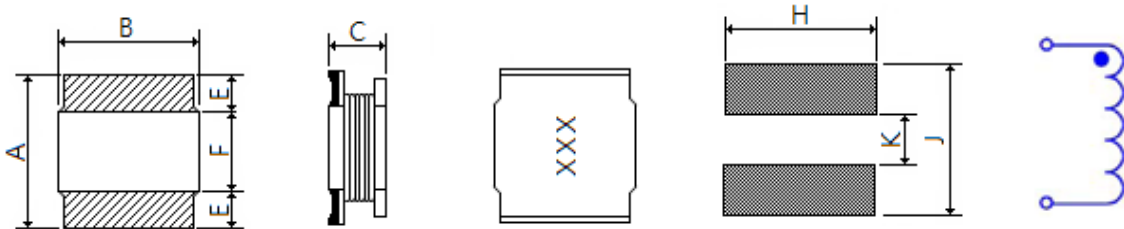
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering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

Applications :

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



Shapes And Dimensions : (Unit :mm)



Type	A	B	C (max.)	E (ref.)	F (ref.)	H (ref.)	J (ref.)	K (ref.)
SDIA3012	3.0 ± 0.2	3.0 ± 0.2	1.2	0.9	2.0	3.7	3.7	1.2

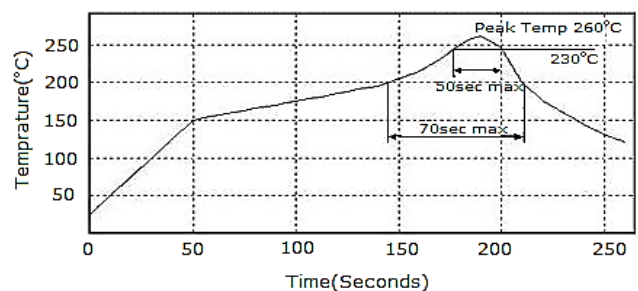
Part Number Code :

SDIA 3012 -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



SDIA3012 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SDIA3012-1R0	1.0	N / M	100KHz 0.25V	0.104	1.500
SDIA3012-1R5	1.5	N / M	100KHz 0.25V	0.183	1.360
SDIA3012-1R8	1.8	N / M	100KHz 0.25V	0.197	1.200
SDIA3012-2R2	2.2	N / M	100KHz 0.25V	0.200	1.100
SDIA3012-3R3	3.3	M	100KHz 0.25V	0.320	0.910
SDIA3012-4R7	4.7	N / M	100KHz 0.25V	0.380	0.770
SDIA3012-6R8	6.8	N / M	100KHz 0.25V	0.640	0.670
SDIA3012-100	10.0	M	1.0KHz 0.25V	0.950	0.540
SDIA3012-150	15.0	N / M	1.0KHz 0.25V	1.068	0.440
SDIA3012-220	22.0	N / M	1.0KHz 0.25V	1.730	0.375
SDIA3012-330	33.0	N / M	1.0KHz 0.25V	2.570	0.310
SDIA3012-470	47.0	N / M	1.0KHz 0.25V	3.720	0.250
SDIA3012-101	100.0	M	1.0KHz 0.25V	5.850	0.160

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 : $\Delta L/L(0A) \leq 30\%$