

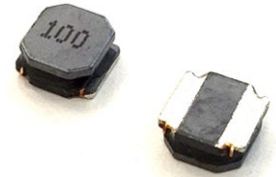
SDIA4012 Series

Features :

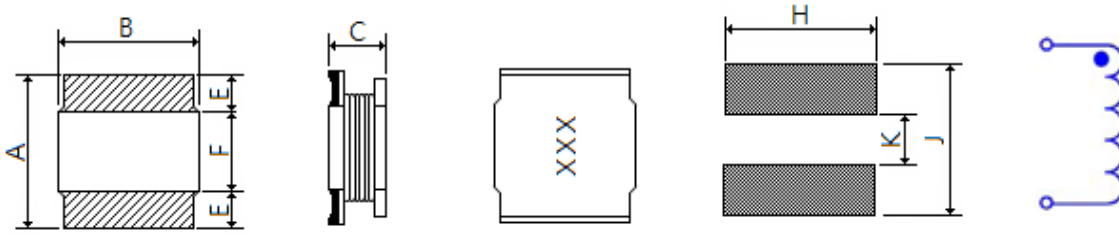
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SDIA4012	4.0 ± 0.2	4.0 ± 0.2	1.2	1.0	2.0	4.6	4.6	1.6

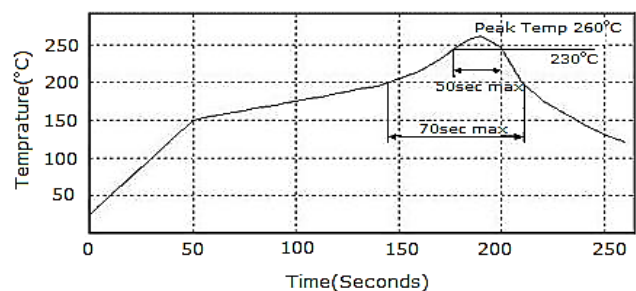
Part Number Code :

SDIA 4012 -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



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Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SDIA4012-1R0	1.00	N / M	100KHz 0.25V	0.067	1.950
SDIA4012-1R2	1.20	N / M	100KHz 0.25V	0.080	1.550
SDIA4012-1R5	1.50	N / M	100KHz 0.25V	0.080	1.800
SDIA4012-2R2	2.20	N / M	100KHz 0.25V	0.140	1.400
SDIA4012-3R3	3.30	N / M	100KHz 0.25V	0.210	1.150
SDIA4012-4R7	4.70	N / M	100KHz 0.25V	0.290	0.910
SDIA4012-6R8	6.80	N / M	100KHz 0.25V	0.440	0.770
SDIA4012-100	10.00	M / K	1.0KHz 0.25V	0.620	0.660
SDIA4012-150	15.00	M / K	1.0KHz 0.25V	0.930	0.540
SDIA4012-220	22.00	M / K	100KHz 0.25V	1.250	0.460
SDIA4012-330	33.00	M / K	1.0KHz 0.25V	1.840	0.360
SDIA4012-470	47.00	M / K	1.0KHz 0.25V	2.660	0.310
SDIA4012-680	68.00	M	1.0KHz 0.25V	3.700	0.240
SDIA4012-221	220.00	M	1.0KHz 0.25V	12.350	0.160
SDIA4012-821	820.00	M	1.0KHz 0.25V	60.000	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 : Δ L/L(0A) \leq 30%