

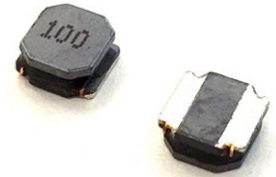
SDIA6020 Series

Features :

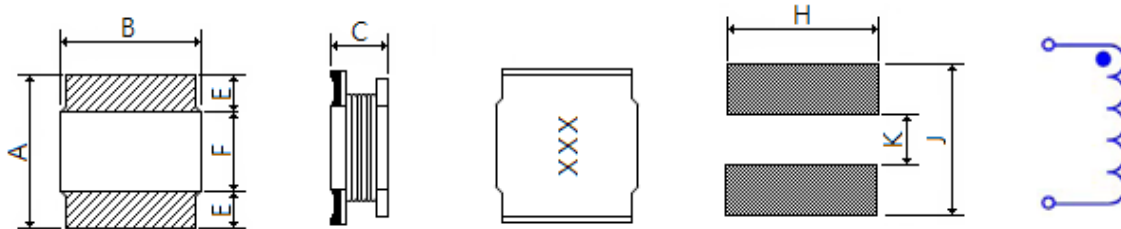
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SDIA6020	6.0 ± 0.2	6.0 ± 0.2	2.0	0.9	4.2	6.7	6.7	3.5

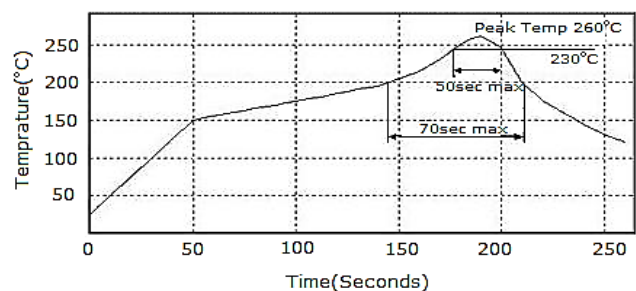
Part Number Code :

SDIA 6020 -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



SDIA6020 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SDIA6020-1R0	1.00	N	100KHz 0.25V	0.030	5.00
SDIA6020-1R5	1.50	N	100KHz 0.25V	0.033	4.00
SDIA6020-2R2	2.20	N	100KHz 0.25V	0.044	3.20
SDIA6020-3R3	3.30	N	100KHz 0.25V	0.052	2.80
SDIA6020-4R7	4.70	N	100KHz 0.25V	0.070	2.40
SDIA6020-6R8	6.80	N	100KHz 0.25V	0.102	2.00
SDIA6020-100	10.00	M	100KHz 0.25V	0.160	1.70
SDIA6020-150	15.00	M	1KHz 0.25V	0.210	1.20
SDIA6020-330	33.00	M	100KHz 0.25V	0.560	1.00
SDIA6020-680	68.00	M	100KHz 0.25V	0.880	0.85

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

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

IDC : Δ L/L(0A) \leq 30%