

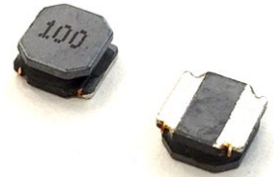
SDIA8020 Series

Features :

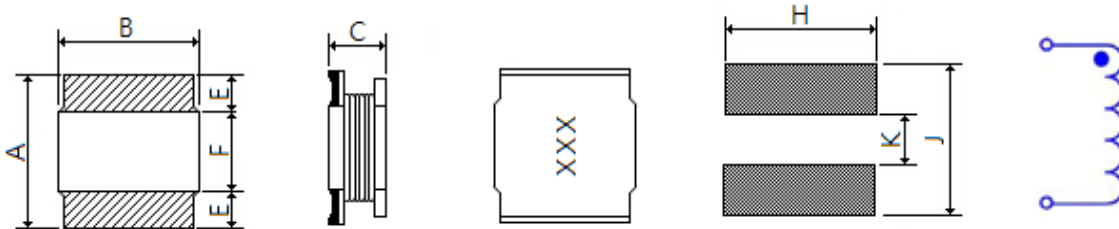
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SDIA8020	8.0 ± 0.2	8.0 ± 0.2	2.0	1.6	4.8	8.7	8.7	4.3

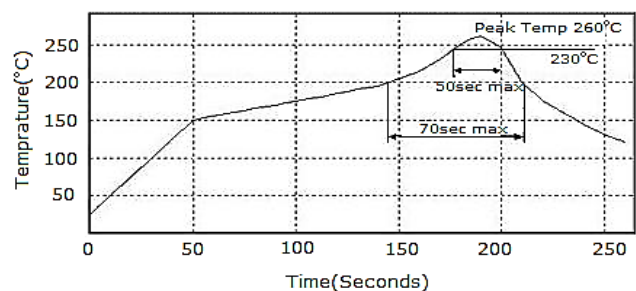
Part Number Code :

SDIA 8020 -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.)
SDIA8020-1R0	1.0		100KHz 0.25V	0.040	5.500
SDIA8020-2R2	2.2	M	100KHz 0.25V	0.050	4.500
SDIA8020-3R3	3.3	M	100KHz 0.25V	0.060	4.100
SDIA8020-4R7	4.7	M	100KHz 0.25V	0.085	3.600
SDIA8020-6R8	6.8	M	100KHz 0.25V	0.120	2.940
SDIA8020-8R2	8.2		100KHz 0.25V	0.180	2.500
SDIA8020-100	10.0	M	1.0KHz 0.25V	0.220	2.500
SDIA8020-120	12.0	M	1.0KHz 0.25V	0.230	2.200
SDIA8020-150	15.0	M	1.0KHz 0.25V	0.250	2.000
SDIA8020-220	22.0	M	1.0KHz 0.25V	0.370	1.600
SDIA8020-330	33.0	M	1.0KHz 0.25V	0.550	1.300
SDIA8020-470	47.0	M	1.0KHz 0.25V	0.820	1.150
SDIA8020-680	68.0	M	1.0KHz 0.25V	1.110	0.940
SDIA8020-101	100.0	M	1.0KHz 0.25V	1.900	0.700

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