

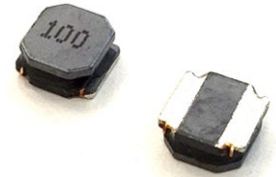
SDIA5020 Series

Features :

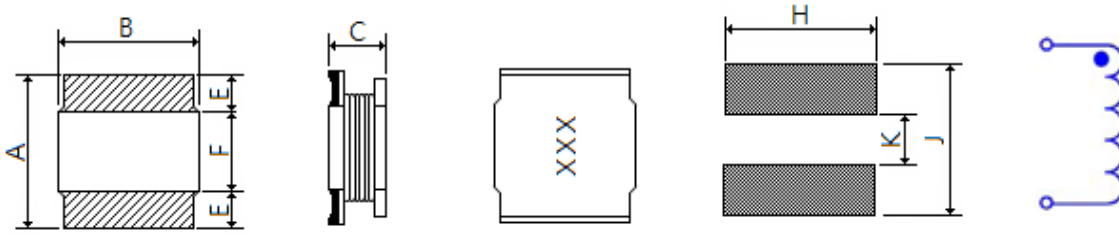
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SDIA5020	5.0 ± 0.2	5.0 ± 0.2	2.0	1.0	2.0	4.6	4.6	1.6

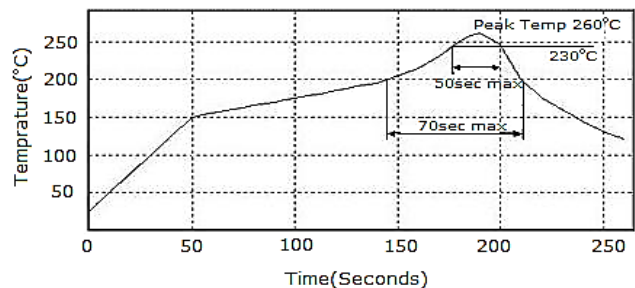
Part Number Code :

SDIA 5020 -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



SDIA5020 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SDIA5020-R47	0.47	N	100KHz 0.25V	0.020	6.000
SDIA5020-1R0	1.00	N	100KHz 0.25V	0.030	5.440
SDIA5020-1R2	1.20	N	100KHz 0.25V	0.030	5.440
SDIA5020-1R5	1.50	N	100KHz 0.25V	0.040	5.200
SDIA5020-2R2	2.20	M	100KHz 0.25V	0.060	4.600
SDIA5020-2R7	2.70	M	100KHz 0.25V	0.080	3.050
SDIA5020-3R3	3.30	M	100KHz 0.25V	0.100	3.200
SDIA5020-3R6	3.60	M	100KHz 0.25V	0.100	3.100
SDIA5020-3R9	3.90		100KHz 0.25V	0.110	2.900
SDIA5020-4R7	4.70	M	100KHz 0.25V	0.120	2.500
SDIA5020-5R6	5.60	N / M	100KHz 0.25V	0.150	2.050
SDIA5020-6R8	6.80	M	100KHz 0.25V	0.185	1.400
SDIA5020-100	10.00	M	100KHz 0.25V	0.250	1.800
SDIA5020-120	12.00	M	100KHz 0.25V	0.380	1.500
SDIA5020-150	15.00	M	1.0KHz 0.25V	0.400	1.650
SDIA5020-200	20.00	M	100KHz 0.25V	0.450	1.000
SDIA5020-220	22.00	M	1.0KHz 0.25V	0.440	1.500
SDIA5020-330	33.00	M	1.0KHz 0.25V	0.750	0.800
SDIA5020-390	39.00	M	100KHz 0.25V	0.808	0.920
SDIA5020-470	47.00	M	100KHz 0.25V	1.100	0.880
SDIA5020-680	68.00	M	1.0KHz 0.25V	1.450	0.800
SDIA5020-101	100.00	M	1.0KHz 0.25V	2.500	0.550
SDIA5020-221	220.00	M	100KHz 0.25V	5.040	0.420
SDIA5020-471	470.00	M / K	1.0KHz 0.25V	8.000	0.300
SDIA5020-821	820.00	M	100KHz 0.25V	17.400	0.200

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%