

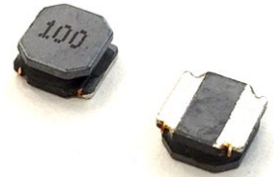
SDIA6045 Series

Features :

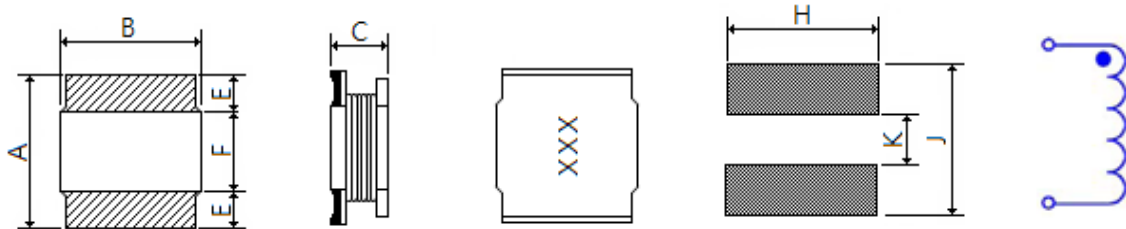
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SDIA6045	6.0 ± 0.2	6.0 ± 0.2	4.5	0.9	4.2	6.7	6.7	3.5

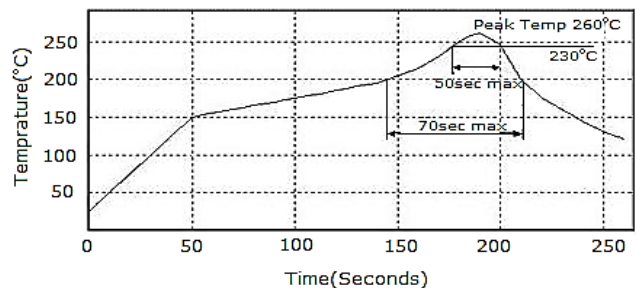
Part Number Code :

SDIA 6045 -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.)
SDIA6045-R47	0.47	N	100KHz 0.25V	0.015	7.500
SDIA6045-1R0	1.00	M	100KHz 0.25V	0.016	12.200
SDIA6045-2R2	2.20	N / M	100KHz 0.25V	0.027	6.000
SDIA6045-3R3	3.30	N / M	100KHz 0.25V	0.030	5.000
SDIA6045-4R7	4.70	M	100KHz 0.25V	0.040	4.200
SDIA6045-6R8	6.80	N / M	100KHz 0.25V	0.047	3.200
SDIA6045-100	10.00	N / M	1.0KHz 0.25V	0.074	2.600
SDIA6045-150	15.00	N / M	1.0KHz 0.25V	0.130	3.200
SDIA6045-220	22.00	N / M	1.0KHz 0.25V	0.183	1.700
SDIA6045-330	33.00	N / M	1.0KHz 0.25V	0.232	1.600
SDIA6045-470	47.00	M	100KHz 0.25V	0.319	1.900
SDIA6045-680	68.00	M	1.0KHz 0.25V	0.500	1.000
SDIA6045-101	100.00	M	1.0KHz 0.25V	0.780	0.850

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