

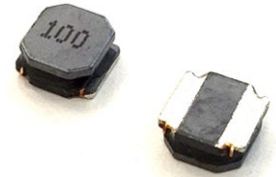
SDIA6028 Series

Features :

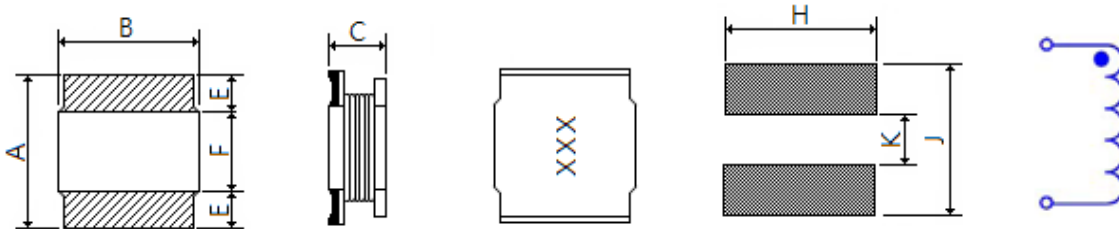
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.) |
|----------|-----------|-----------|----------|----------|----------|----------|----------|----------|
| SDIA6028 | 6.0 ± 0.2 | 6.0 ± 0.2 | 2.8 | 0.9 | 4.2 | 6.3 | 6.3 | 2.0 |

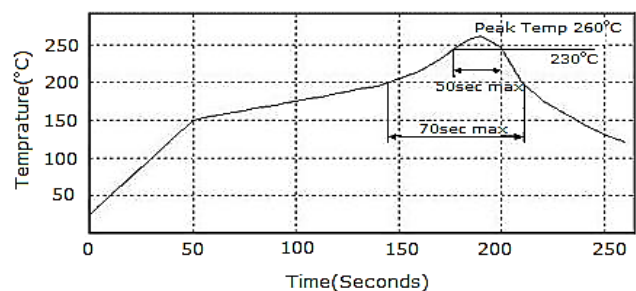
Part Number Code :

SDIA 6028 -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



SDIA6028 Series

| Part No. | L (uH) | Tolerance | Test Freq. | DCR(Ω) (max.) | IDC (A) (max.) |
|--------------|--------|-----------|--------------|---------------------------|-------------------|
| SDIA6028-R50 | 0.50 | N | 100KHz 0.25V | 0.024 | 9.000 |
| SDIA6028-1R0 | 1.00 | M | 100KHz 0.25V | 0.025 | 7.600 |
| SDIA6028-1R5 | 1.50 | N / M | 100KHz 0.25V | 0.028 | 6.800 |
| SDIA6028-2R2 | 2.20 | M | 100KHz 0.25V | 0.035 | 3.500 |
| SDIA6028-3R0 | 3.00 | N / M | 100KHz 0.25V | 0.324 | 3.600 |
| SDIA6028-3R3 | 3.30 | N / M | 100KHz 0.25V | 0.040 | 3.000 |
| SDIA6028-4R7 | 4.70 | M | 100KHz 0.25V | 0.048 | 2.700 |
| SDIA6028-6R2 | 6.20 | M | 100KHz 0.25V | 0.063 | 2.200 |
| SDIA6028-6R8 | 6.80 | N | 100KHz 0.25V | 0.070 | 2.500 |
| SDIA6028-100 | 10.00 | M | 1.0KHz 0.25V | 0.085 | 1.900 |
| SDIA6028-120 | 12.00 | M | 100KHz 0.25V | 0.114 | 1.800 |
| SDIA6028-220 | 22.00 | M | 1.0KHz 0.25V | 0.195 | 1.600 |
| SDIA6028-300 | 30.00 | M | 100KHz 0.25V | 0.320 | 1.550 |
| SDIA6028-330 | 33.00 | M / K | 1.0KHz 0.25V | 0.330 | 1.500 |
| SDIA6028-680 | 68.00 | M | 100KHz 0.25V | 0.700 | 1.200 |
| SDIA6028-471 | 470.00 | M | 1.0KHz 0.25V | 5.000 | 0.300 |

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