

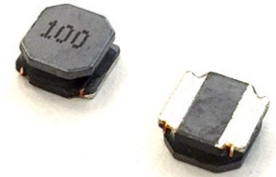
SDIA4018 Series

Features :

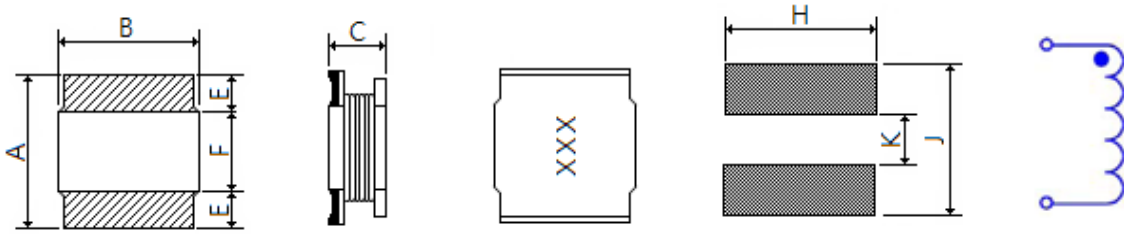
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SDIA4018	4.0 ± 0.2	4.0 ± 0.2	1.8	1.0	2.0	4.6	4.6	1.6

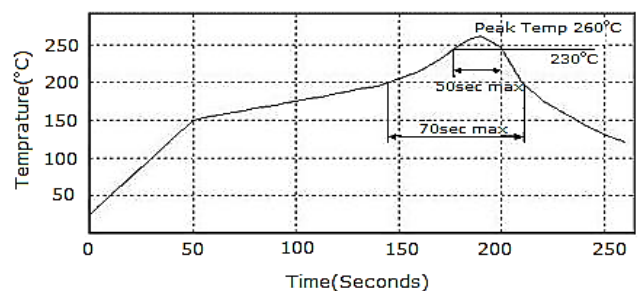
Part Number Code :

SDIA 4018 -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.)
SDIA4018-R22	0.2	N / M	100KHz 1.0V	0.024	6.00
SDIA4018-1R0	1.0	M	100KHz 0.25V	0.057	3.55
SDIA4018-1R5	1.5		100KHz 0.25V	0.065	3.00
SDIA4018-2R2	2.2	M	100KHz 0.25V	0.084	2.50
SDIA4018-3R3	3.3	M	100KHz 0.25V	0.110	2.15
SDIA4018-3R5	3.5	M	100KHz 0.25V	0.120	1.90
SDIA4018-4R7	4.7	M	100KHz 0.25V	0.170	1.58
SDIA4018-5R6	5.6		100KHz 0.25V	0.210	
SDIA4018-6R6	6.6	M	100KHz 0.25V	0.230	1.40
SDIA4018-6R8	6.8	M	100KHz 0.25V	0.240	1.41
SDIA4018-100	10.0	M	1.0KHz 0.25V	0.320	1.10
SDIA4018-150	15.0	M	1.0KHz 0.25V	0.480	0.94
SDIA4018-220	22.0	M	1.0KHz 0.25V	0.700	0.75
SDIA4018-330	33.0	M	1.0KHz 0.25V	1.150	0.61
SDIA4018-470	47.0	M	1.0KHz 0.25V	1.680	0.53
SDIA4018-680	68.0	M	1.0KHz 0.25V	2.430	0.46
SDIA4018-101	100	M	1.0KHz 0.25V	3.400	0.34
SDIA4018-121	120	M	100KHz 0.25V	3.800	0.34
SDIA4018-151	150	M	1.0KHz 0.25V	6.700	0.28
SDIA4018-221	220	M	1.0KHz 0.25V	11.80	0.23

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%