

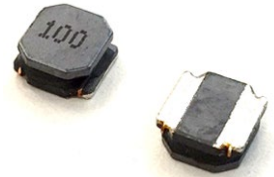
### SDIA8040 Series

#### Features :

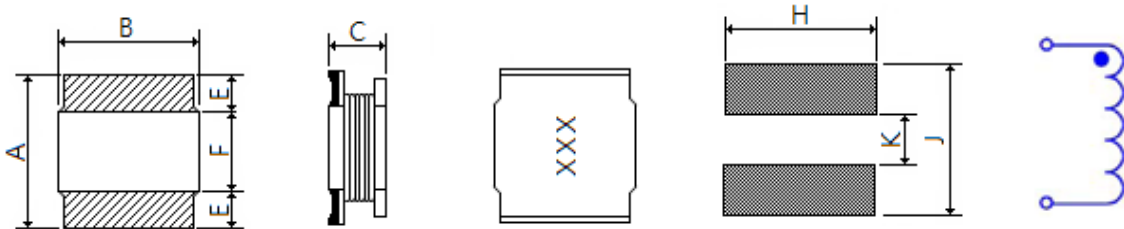
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SDIA8040	8.0 ± 0.2	8.0 ± 0.2	4.0	1.6	4.8	8.7	8.7	4.3

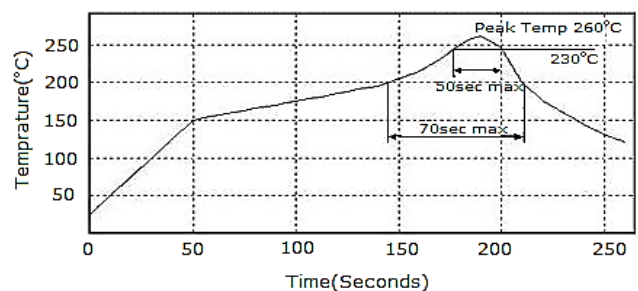
#### Part Number Code :

SDIA 8040 -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( $\Omega$ ) (max.)	IDC (A) (max.)
SDIA8040-1R0	1.00	N / M	100KHz 0.25V	0.015	7.550
SDIA8040-2R0	2.00	M	100KHz 0.25V	0.016	7.350
SDIA8040-2R2	2.20	M	100KHz 0.25V	0.017	7.330
SDIA8040-3R3	3.30	M	100KHz 0.25V	0.022	5.930
SDIA8040-3R6	3.60	M	100KHz 0.25V	0.022	5.900
SDIA8040-4R7	4.70	N / M	100KHz 0.25V	0.023	4.700
SDIA8040-6R8	6.80	N / M	100KHz 0.25V	0.033	4.000
SDIA8040-100	10.00	M	1.0KHz 0.25V	0.044	3.400
SDIA8040-120	12.00	M	1.0KHz 0.25V	0.055	3.050
SDIA8040-150	15.00	M	1.0KHz 0.25V	0.065	2.700
SDIA8040-220	22.00	M	1.0KHz 0.25V	0.086	2.200
SDIA8040-330	33.00	M	1.0KHz 0.25V	0.130	1.900
SDIA8040-470	47.00	M	1.0KHz 0.25V	0.200	1.500
SDIA8040-680	68.00	M	1.0KHz 0.25V	0.300	1.200
SDIA8040-101	100.00	M	1.0KHz 0.25V	0.380	1.000

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