

CRHN5018 Series

Features :

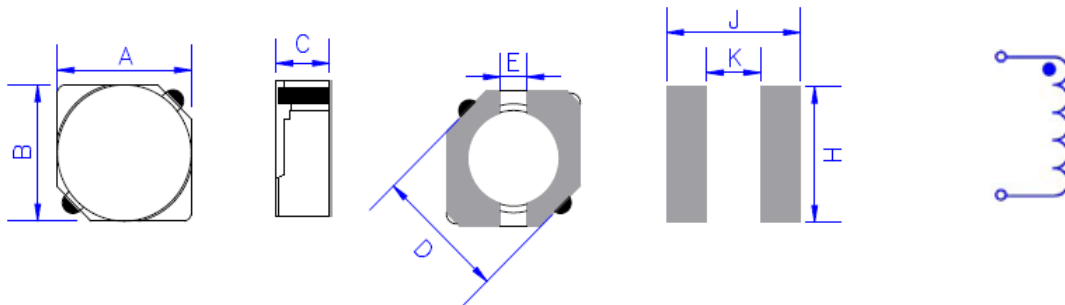
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)	D (max)	E (ref.)	H (ref.)	J (ref.)	K (ref.)
CRHN5018	4.7 ± 0.3	4.7 ± 0.3	2.0	6.9	1.4	5.3	5.0	1.5

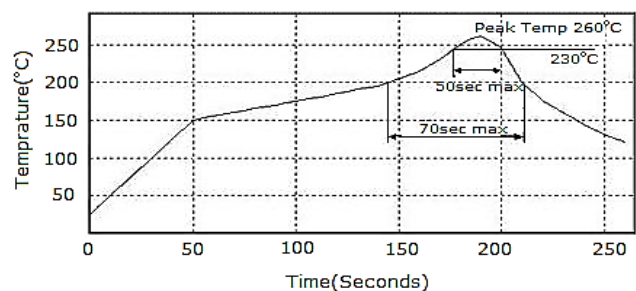
Part Number Code :

CRHN 5018 -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.)
CRHN5018-R47	0.47	N	100KHz 0.10V	0.018	5.600
CRHN5018-R68	0.68	N	100KHz 0.25V	0.022	4.000
CRHN5018-1R0	1.00	N	100KHz 0.25V	0.045	1.720
CRHN5018-1R2	1.20	N	100KHz 0.25V	0.048	1.650
CRHN5018-1R5	1.50	N	100KHz 0.25V	0.050	1.600
CRHN5018-1R8	1.80	N	100KHz 0.25V	0.058	2.350
CRHN5018-2R2	2.20	N	100KHz 0.25V	0.075	1.320
CRHN5018-2R7	2.70	N	100KHz 0.10V	0.105	1.280
CRHN5018-3R3	3.30	N	100KHz 0.25V	0.110	1.040
CRHN5018-3R9	3.90	N	100KHz 0.25V	0.150	0.920
CRHN5018-4R7	4.70	N / M	100KHz 0.25V	0.162	0.840
CRHN5018-5R6	5.60	N	100KHz 0.10V	0.170	0.800
CRHN5018-6R8	6.80	N / M	100KHz 0.25V	0.200	0.760
CRHN5018-8R2	8.20	N	100KHz 0.10V	0.195	0.650
CRHN5018-100	10.00	N / M	1.0KHz 0.25V	0.260	0.610
CRHN5018-120	12.00	N	100KHz 0.10V	0.210	0.560
CRHN5018-180	18.00	N	100KHz 0.10V	0.338	0.480
CRHN5018-220	22.00	N / M	1.0KHz 0.25V	0.397	0.410
CRHN5018-270	27.00	M	1.0KHz 0.25V	0.441	0.350
CRHN5018-330	33.00	M	1.0KHz 0.25V	0.500	0.300
CRHN5018-390	39.00	N	100KHz 0.10V	0.709	0.300
CRHN5018-470	47.00	M	100KHz 0.25V	0.992	0.280
CRHN5018-560	56.00	N	100KHz 0.10V	1.080	0.260
CRHN5018-680	68.00	N / M	1.0KHz 0.25V	1.300	0.240
CRHN5018-820	82.00	N	100KHz 0.10V	1.560	0.220
CRHN5018-101	100.00	N / M	1.0KHz 0.25V	1.730	0.200
CRHN5018-121	120.00	N	100KHz 0.10V	2.390	0.180
CRHN5018-151	150.00	N	100KHz 0.10V	2.670	0.150
CRHN5018-181	180.00	N	1.0KHz 0.25V	4.000	0.140
CRHN5018-221	220.00	N	100KHz 0.10V	4.300	0.130
CRHN5018-102	1000.00	M	100KHz 0.10V	22.000	0.100

Code "-E" : Lead free process and RoHs compliant

Inductance tolerance : N±30% M±20% L±15% K±10% J±5%

IDC : ΔL/L(0A) ≤ 35%