

CRHN5028 Series

Features :

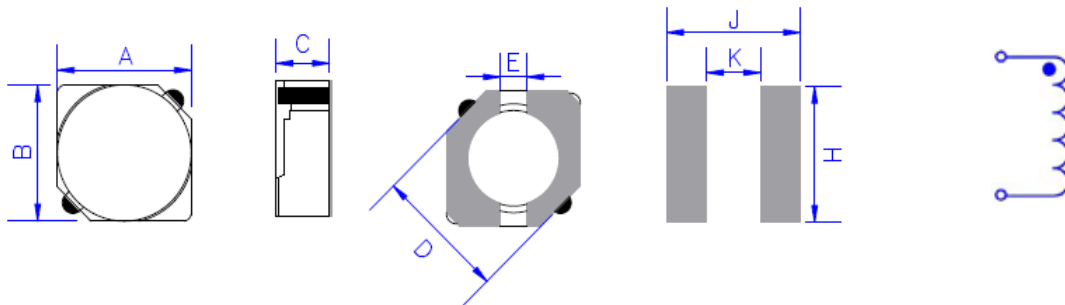
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
CRHN5028	4.7 ± 0.3	4.7 ± 0.3	3.0	6.9	1.4	5.3	5.3	1.5

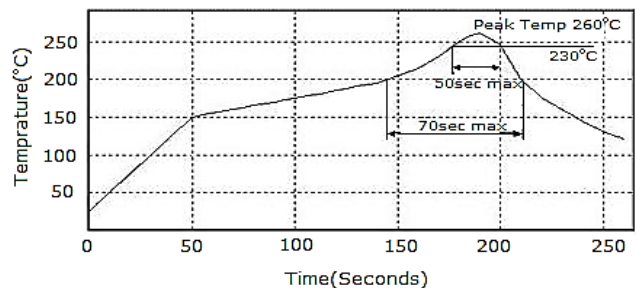
Part Number Code :

CRHN 5028 -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.)
CRHN5028-R33	0.33	N	100KHz 0.25V	0.012	4.500
CRHN5028-1R0	1.00	N	100KHz 0.25V	0.020	2.650
CRHN5028-1R2	1.20	N	100KHz 0.25V	0.024	2.560
CRHN5028-1R5	1.50	M	100KHz 0.25V	0.026	2.350
CRHN5028-1R8	1.80	N	100KHz 0.25V	0.028	2.200
CRHN5028-2R0	2.00	N	100KHz 0.25V	0.030	2.100
CRHN5028-2R2	2.20	N	100KHz 0.25V	0.031	2.040
CRHN5028-2R7	2.70	N	100KHz 0.25V	0.043	1.600
CRHN5028-3R3	3.30	N	100KHz 0.25V	0.049	1.570
CRHN5028-3R9	3.90	N	100KHz 0.25V	0.065	1.440
CRHN5028-4R2	4.20	N	100KHz 0.25V	0.070	1.400
CRHN5028-4R7	4.70	N	100KHz 0.25V	0.072	1.320
CRHN5028-5R3	5.30	N	100KHz 0.25V	0.095	1.200
CRHN5028-5R6	5.60	N	100KHz 0.25V	0.101	1.170
CRHN5028-6R8	6.80	N	100KHz 0.25V	0.109	1.120
CRHN5028-8R2	8.20	N	100KHz 0.25V	0.118	1.040
CRHN5028-100	10.00	N	1.0KHz 0.25V	0.128	1.000
CRHN5028-120	12.00	N	1.0KHz 0.25V	0.132	0.840
CRHN5028-150	15.00	N	1.0KHz 0.25V	0.149	0.760
CRHN5028-180	18.00	N	1.0KHz 0.25V	0.166	0.720
CRHN5028-220	22.00	N	1.0KHz 0.25V	0.235	0.700
CRHN5028-270	27.00	N	1.0KHz 0.25V	0.261	0.580
CRHN5028-330	33.00	N	1.0KHz 0.25V	0.331	0.560
CRHN5028-390	39.00	N	1.0KHz 0.25V	0.384	0.500
CRHN5028-470	47.00	N	1.0KHz 0.25V	0.587	0.480
CRHN5028-560	56.00	N	1.0KHz 0.25V	0.625	0.410
CRHN5028-680	68.00	N	1.0KHz 0.25V	0.699	0.350
CRHN5028-820	82.00	N	1.0KHz 0.25V	0.915	0.320
CRHN5028-101	100.00	N	1.0KHz 0.25V	1.020	0.290
CRHN5028-121	120.00	N	1.0KHz 0.25V	1.270	0.270
CRHN5028-151	150.00	N	1.0KHz 0.25V	1.350	0.240
CRHN5028-181	180.00	N	1.0KHz 0.25V	1.540	0.220
CRHN5028-221	220.00	N	1.0KHz 0.25V	1.960	0.210
CRHN5028-331	330.00	M	100KHz 0.25V	2.350	0.120
CRHN5028-391	390.00	N / M	1.0KHz 0.25V	2.200	0.140
CRHN5028-471	470.00	N	1.0KHz 0.25V	3.600	0.200
CRHN5028-561	560.00	M	100KHz 0.25V	3.200	0.140
CRHN5028-102	1000.00	M	100KHz 0.25V	16.300	0.106

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

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

IDC : $\Delta L/L(0A) \leq 35\%$