

### NSD1211S Series

#### Features :

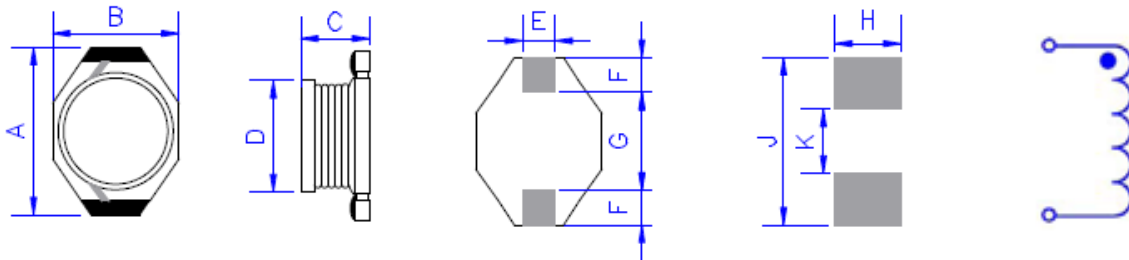
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering methods can be employed
- Open Magnetic circuit construction

#### Applications :

- LCD panels , Power line choke , DC-DC converter , laptops and PC



#### Shapes And Dimensions : (Unit :mm)



Type	A (max.)	B (max.)	C (max.)	D ± 0.3	E ± 0.3	F ± 0.3	G ± 0.3	H (ref.)	J (ref.)	K (ref.)
NSD1211S	12.95	9.4	11.43	8.38	2.54	2.54	7.62	7.37	13.2	7.12

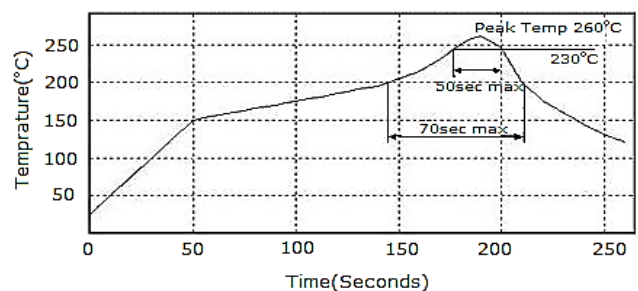
#### Part Number Code :

NSD 1211S -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.)
NSD1211S-R47	0.47	M	100KHz 0.25V	0.008	20.000
NSD1211S-R75	0.75	M	100KHz 0.25V	0.008	20.000
NSD1211S-1R0	1.00	N	100KHz 0.25V	0.009	20.000
NSD1211S-1R2	1.20	M / N	100KHz 0.10V	0.010	20.000
NSD1211S-1R5	1.50	M	100KHz 0.25V	0.010	14.000
NSD1211S-1R7	1.70	M	100KHz 0.25V	0.010	14.000
NSD1211S-1R8	1.80	M	100KHz 0.25V	0.010	14.000
NSD1211S-2R0	2.00	M	100KHz 0.25V	0.011	13.800
NSD1211S-2R2	2.20	M	100KHz 0.25V	0.012	13.500
NSD1211S-3R0	3.00	M	100KHz 0.25V	0.013	13.400
NSD1211S-3R3	3.30	M	100KHz 0.25V	0.013	13.200
NSD1211S-4R7	4.70	M	100KHz 0.25V	0.014	13.000
NSD1211S-5R6	5.60	M	100KHz 0.25V	0.016	10.200
NSD1211S-6R0	6.00	M	100KHz 0.25V	0.016	11.200
NSD1211S-6R3	6.30	M	100KHz 0.25V	0.017	11.000
NSD1211S-6R8	6.80	M	100KHz 0.25V	0.020	10.000
NSD1211S-6R9	6.90	M	100KHz 0.25V	0.021	9.000
NSD1211S-8R2	8.20	M	100KHz 0.25V	0.030	9.000
NSD1211S-100	10.00	M	1.0KHz 0.25V	0.040	8.000
NSD1211S-120	12.00	M	1.0KHz 0.25V	0.042	7.200
NSD1211S-150	15.00	M	1.0KHz 0.25V	0.050	7.000
NSD1211S-180	18.00	M	1.0KHz 0.25V	0.052	5.700
NSD1211S-200	20.00	M	1.0KHz 0.25V	0.062	5.600
NSD1211S-220	22.00	M	1.0KHz 0.25V	0.066	5.500
NSD1211S-270	27.00	M	1.0KHz 0.25V	0.072	4.200
NSD1211S-300	30.00	M	1.0KHz 0.25V	0.075	4.100
NSD1211S-330	33.00	M	1.0KHz 0.25V	0.080	4.000
NSD1211S-390	39.00	M	1.0KHz 0.25V	0.092	3.900
NSD1211S-470	47.00	M	1.0KHz 0.25V	0.110	3.800
NSD1211S-560	56.00	M	1.0KHz 0.25V	0.150	3.200
NSD1211S-680	68.00	M	1.0KHz 0.25V	0.170	3.000
NSD1211S-820	82.00	M	1.0KHz 0.25V	0.200	2.600
NSD1211S-101	100.00	M	1.0KHz 0.25V	0.220	2.500
NSD1211S-121	120.00	M	1.0KHz 0.25V	0.320	2.200
NSD1211S-151	150.00	M	1.0KHz 0.25V	0.340	2.000
NSD1211S-181	180.00	M	1.0KHz 0.25V	0.420	1.800
NSD1211S-221	220.00	M	1.0KHz 0.25V	0.440	1.600
NSD1211S-271	270.00	M	1.0KHz 0.25V	0.600	1.300
NSD1211S-331	330.00	M	1.0KHz 0.25V	0.700	1.200
NSD1211S-391	390.00	M	1.0KHz 0.25V	0.850	1.100
NSD1211S-471	470.00	M	1.0KHz 0.25V	0.950	1.000
NSD1211S-561	560.00	M	1.0KHz 0.25V	1.100	1.000
NSD1211S-681	680.00	M	1.0KHz 0.25V	1.200	1.000
NSD1211S-821	820.00	M	1.0KHz 0.25V	1.500	0.820
NSD1211S-102	1000.00	M	1.0KHz 0.25V	2.000	0.800
NSD1211S-152	1500.00	M	1.0KHz 0.25V	4.000	0.300
NSD1211S-153	15000.00	M	1.0KHz 0.25V	30.000	0.180

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

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

IDC : ΔL/L(0A) ≤ 10%