



■ Features:

- Low profile construction and miniature size
- Magnetic shielded construction
- High current saturation
- For new generation portable product D/D converter unit

■ Applications:

- Notebooks, desktop computers, servers, graphic cards.
- Blue -ray disc recorders, set top box , Automotive systems.
- Portable gaming devices, personal navigation systems, personal multimedia devices

■ Parts code:

SNR 3015

Type

4R7

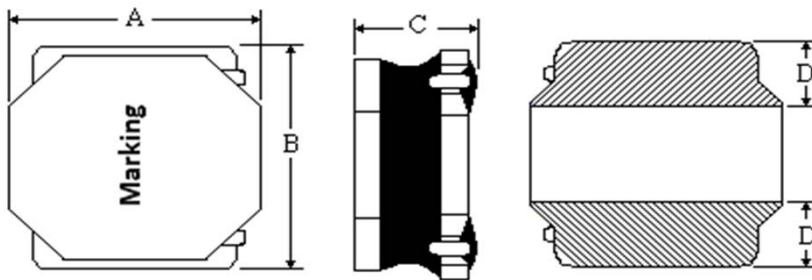
Inductance code

M

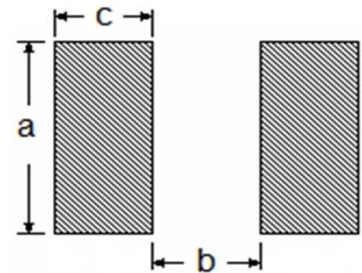
Tolerance: M : ± 20%

N : ± 30%

■ Outline Dimension:

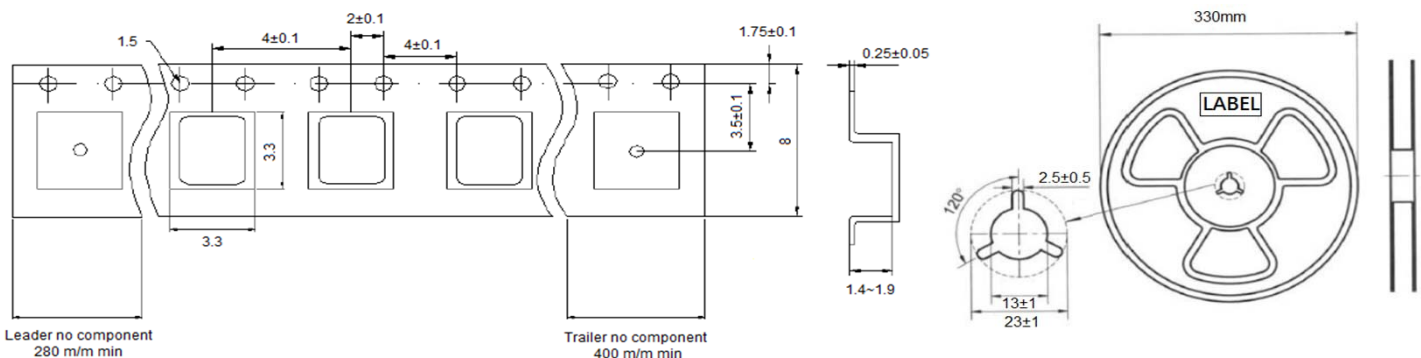


■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
SNR 3010	3.0±0.2	3.0±0.2	1.1 max	0.8 Ref.	0.9±0.3	2.7 Typ	1.1 Typ	1.0 Typ
SNR 3012	3.0±0.2	3.0±0.2	1.3 max	0.8 Ref.	0.9±0.3	2.7 Typ	1.1 Typ	1.0 Typ
SNR 3015	3.0±0.2	3.0±0.2	1.6 max	0.8 Ref.	0.9±0.3	2.7 Typ	1.1 Typ	1.0 Typ



■ Package: Q'TY / Reel

SNR-3010--2K/pcs

SNR-3012--2K/pcs

SNR-3015--2K/pcs



3.0X3.0X1.0

Specifications

SNR 3010					
Flic No.	L	DCR (Ω)	SRF (MHz)	Stauration Current	Heat Rating Current
	(μ H)	Max	Tpy.	Isat (A)	Irms (A)
SNR 3010- 1R0N	1.0	0.065	180	1.40	1.45
SNR 3010- 1R5N	1.5	0.080	120	1.27	1.30
SNR 3010- 2R2M	2.2	0.110	100	1.15	1.09
SNR 3010- 3R3M	3.3	0.145	74	0.97	0.96
SNR 3010- 4R7M	4.7	0.225	59	0.75	0.77
SNR 3010- 6R8M	6.8	0.305	42	0.55	0.66
SNR 3010- 100M	10	0.400	39	0.55	0.58
SNR 3010- 150M	15	0.610	30	0.42	0.47
SNR 3010- 220M	22	0.930	28	0.35	0.38
SNR 3010- 330M	33	1.550	18	0.29	0.30
SNR 3010- 470M	47	1.950	18	0.22	0.26

Notes: Tolerance: M ($\pm 20\%$), N ($\pm 30\%$)

Test Ferquency: 100 KHz / 1V

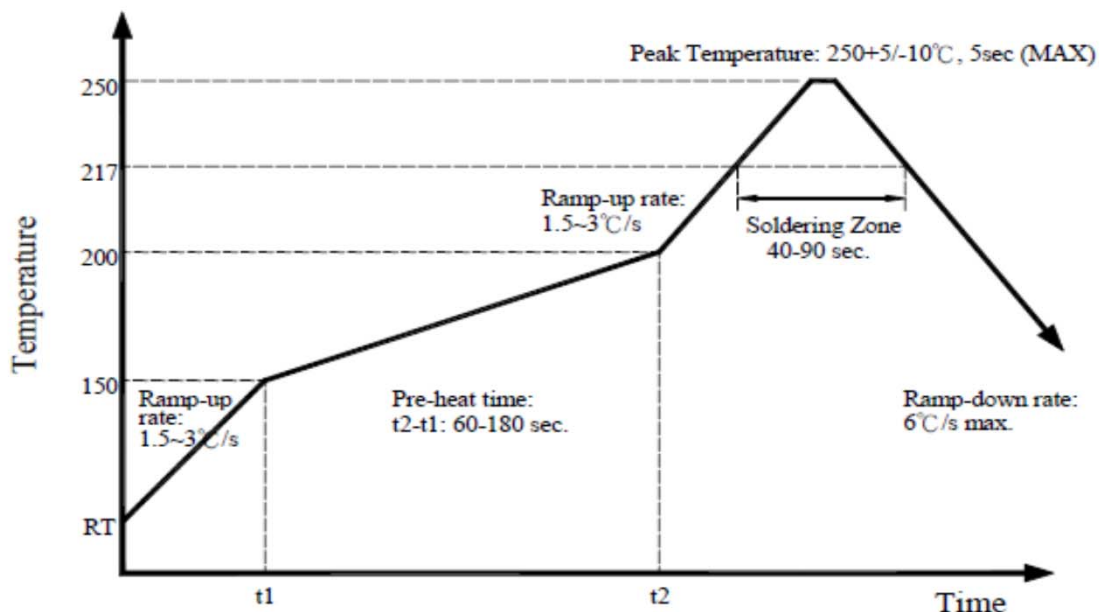
Isat: Based on Inductance decrease 30%

Irms: Based on Temperature increase 40°C

Operating temperature range: -40°C ~ +125°C

Storage Temp: -40°C ~ +125°C

Recommended Lead -Free IR Reflow Conditions:





3.0X3.0X1.2

Specifications

SNR 3012					
Flic No.	L	DCR (Ω)	SRF (MHz)	Stauration Current	Heat Rating Current
	(μ H)	Max	Tpy.	Isat (A)	Irms (A)
SNR 3012- 1R0N	1.0	0.040	120	1.87	2.20
SNR 3012- 1R5N	1.5	0.045	110	1.62	2.01
SNR 3012- 2R2M	2.2	0.075	84	1.20	1.55
SNR 3012- 3R3M	3.3	0.100	64	1.05	1.36
SNR 3012- 4R7M	4.7	0.120	61	0.90	1.24
SNR 3012- 6R8M	6.8	0.190	61	0.75	0.98
SNR 3012- 100M	10	0.265	42	0.60	0.83
SNR 3012- 150M	15	0.360	27	0.45	0.71
SNR 3012- 220M	22	0.645	23	0.42	0.53
SNR 3012- 330M	33	0.875	18	0.36	0.46
SNR 3012- 470M	47	1.450	14	0.27	0.35
SNR 3012- 680M	68	1.670	12	0.24	0.33

Notes: Tolerance: M ($\pm 20\%$), N ($\pm 30\%$)

Test Ferquency: 100K/1V

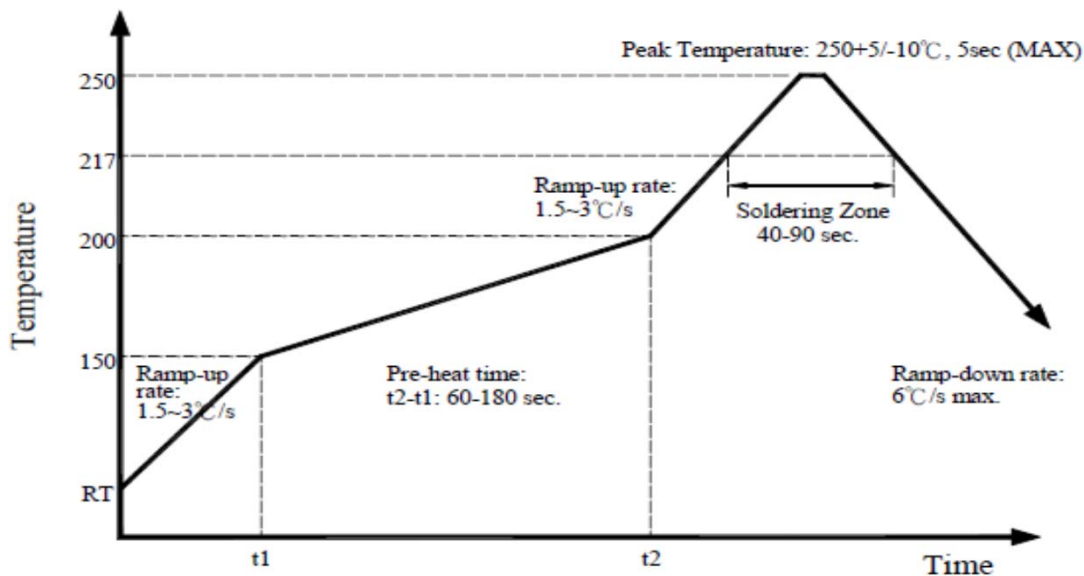
Isat: Based on Inductance decrease 30%

Irms: Based on Temperature increase 40°C

Operating temperature range: -40°C ~ +125°C

Storage Temp: -40°C ~ +125°C

Recommended Lead -Free IR Reflow Conditions:





3.0X3.0X1.5

Specifications

SNR 3015					
Flic No.	L	DCR (Ω)	SRF (MHz)	Stauration Current	Heat Rating Current
	(uH)	Max	Tpy.	Isat (A)	Irms (A)
SNR 3015- 1R0N	1.0	0.039	150	2.32	2.35
SNR 3015- 1R2N	1.2	0.040	110	2.21	1.95
SNR 3015- 1R5N	1.5	0.050	100	2.00	1.70
SNR 3015- 1R8N	1.8	0.050	92	1.75	1.70
SNR 3015- 2R2N	2.2	0.060	86	1.60	1.60
SNR 3015- 3R3M	3.3	0.080	68	1.32	1.36
SNR 3015- 4R7M	4.7	0.125	46	1.10	1.09
SNR 3015- 6R8M	6.8	0.200	39	0.85	0.85
SNR 3015- 100M	10	0.250	41	0.72	0.77
SNR 3015- 120M	12	0.320	32	0.70	0.68
SNR 3015- 150M	15	0.350	30	0.66	0.65
SNR 3015- 180M	18	0.430	23	0.56	0.59
SNR 3015- 220M	22	0.460	23	0.52	0.57
SNR 3015- 330M	33	0.820	20	0.44	0.43
SNR 3015- 470M	47	1.250	14	0.35	0.35

Notes: Tolerance: M (± 20%) , N (± 30%)

Test Ferquency: 100K/1V

Isat: Based on Inductance decrease 30%

Irms: Based on Temperature increase 40°C

Operating temperature range: -40°C ~ +125°C

Storage Temp: -40°C ~ +125°C

Recommended Lead -Free IR Reflow Conditions:

