



■ 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 252010

Type

4R7

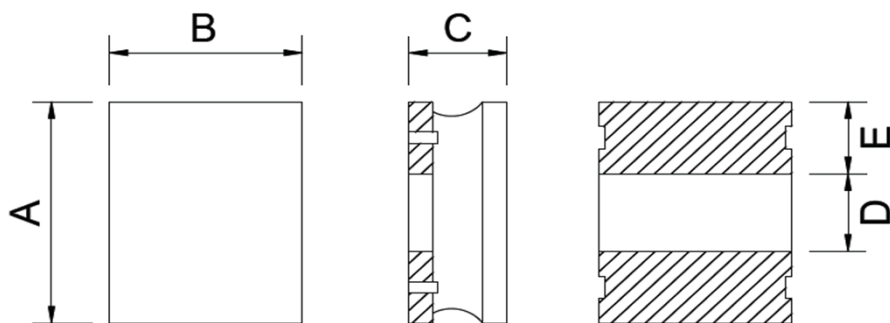
Inductance code

M

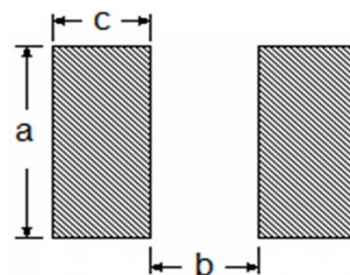
Tolerance: M : ± 20%

N : ± 30%

■ Outline Dimension:

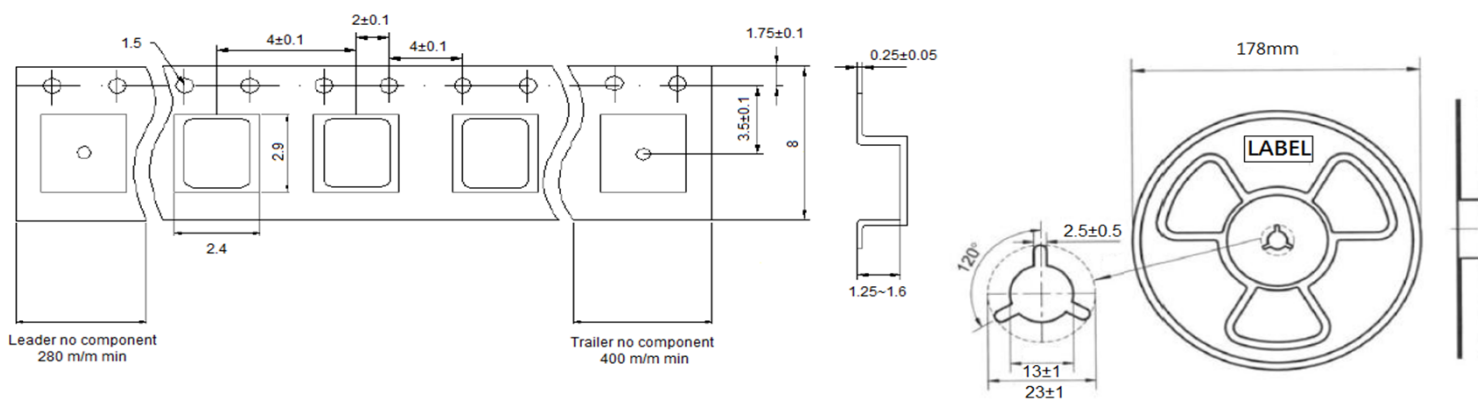


■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
SNR 252010	2.5±0.3	2.0±0.3	1.05 max	0.8±0.3	0.9±0.3	2.0 Typ	0.6 Typ	1.1 Typ
SNR 252012	2.5±0.3	2.0±0.3	1.25 max	0.8±0.3	0.9±0.3	2.0 Typ	0.6 Typ	1.1 Typ



■ Package: Q'TY / Reel

SNR-252010--2K/pcs

SNR-252012--2K/pcs

SMD Power Inductor SNR 252010



2.5X2.0X1.0

Specifications

SNR 252010

Flic No.	L	DCR (Ω)	Stauration Current	Heat Rating Current
	(μ H)	Max	Isat (A)	Irms (A)
SNR 252010- R47M	0.47	0.056	2.50	2.35
SNR 252010- R56N	0.56	0.072	2.90	2.00
SNR 252010- R68M	0.68	0.074	2.20	2.00
SNR 252010- 1R0M	1.0	0.108	1.85	1.65
SNR 252010- 1R5M	1.5	0.182	1.80	1.30
SNR 252010- 2R2M	2.2	0.209	1.20	1.20
SNR 252010- 3R3M	3.3	0.328	1.05	0.90
SNR 252010- 4R7M	4.7	0.563	0.95	0.70
SNR 252010- 5R6M	5.6	0.563	0.80	0.73
SNR 252010- 6R8M	6.8	0.896	0.78	0.59
SNR 252010- 100M	10	1.092	0.65	0.50
SNR 252010- 150M	15	1.885	0.46	0.36
SNR 252010- 220M	22	2.400	0.45	0.30

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

Test Ferquency: 1 MHz / 0.25V

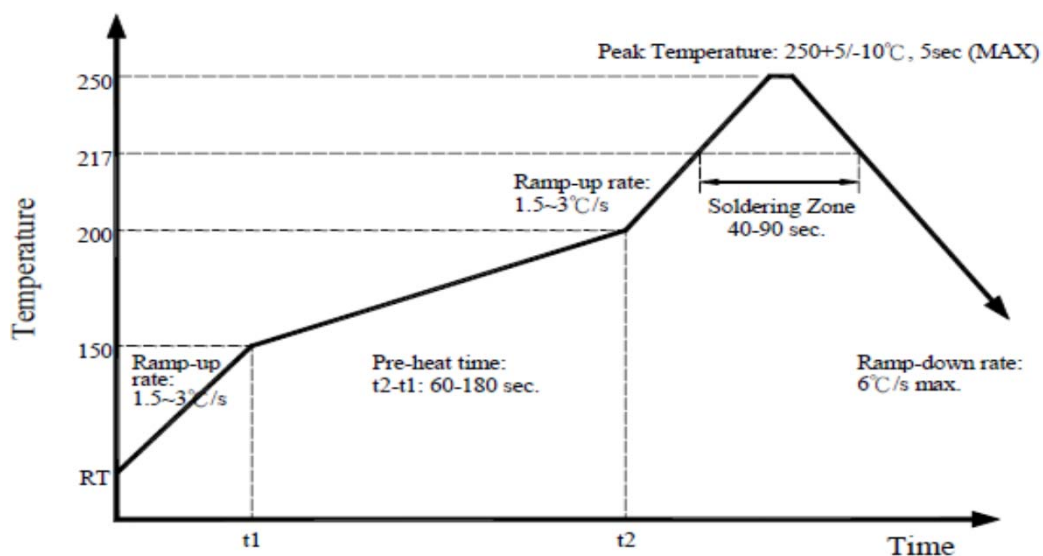
Isat: Based on Inductance decrease 30%

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:



SMD Power Inductor SNR 252012



2.5X2.0X1.2

Specifications

SNR 252012

Flic No.	L	DCR (Ω)	Stauration Current	Heat Rating Current
	(μ H)	Max	Isat (A)	Irms (A)
SNR 252012- R47N	0.47	0.061	3.82	2.15
SNR 252012- R68N	0.68	0.074	3.28	1.95
SNR 252012- 1R0N	1.0	0.090	2.59	1.93
SNR 252012- 1R2N	1.2	0.129	2.38	1.46
SNR 252012- 1R5M	1.5	0.147	2.24	1.40
SNR 252012- 2R2M	2.2	0.216	1.85	1.15
SNR 252012- 2R7M	2.7	0.239	1.72	1.09
SNR 252012- 3R3M	3.3	0.264	1.61	1.04
SNR 252012- 3R6M	3.6	0.348	1.48	0.90
SNR 252012- 4R3M	4.3	0.377	1.37	0.87
SNR 252012- 4R7M	4.7	0.377	1.12	0.84
SNR 252012- 5R1M	5.1	0.500	1.23	0.75
SNR 252012- 5R6M	5.6	0.538	1.11	0.73
SNR 252012- 6R2M	6.2	0.542	1.03	0.73
SNR 252012- 6R8M	6.8	0.581	0.98	0.69
SNR 252012- 7R5M	7.5	0.611	0.97	0.68
SNR 252012- 8R2M	8.2	0.658	0.98	0.65
SNR 252012- 9R1M	9.1	0.690	0.91	0.62
SNR 252012- 100M	10	0.690	0.79	0.62
SNR 252012- 120M	12	1.075	0.78	0.51
SNR 252012- 150M	15	1.591	0.68	0.42
SNR 252012- 220M	22	1.976	0.53	0.38

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

Test Ferquency: 1 MHz / 0.25V

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:

