



■ 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 8040

Type

4R7

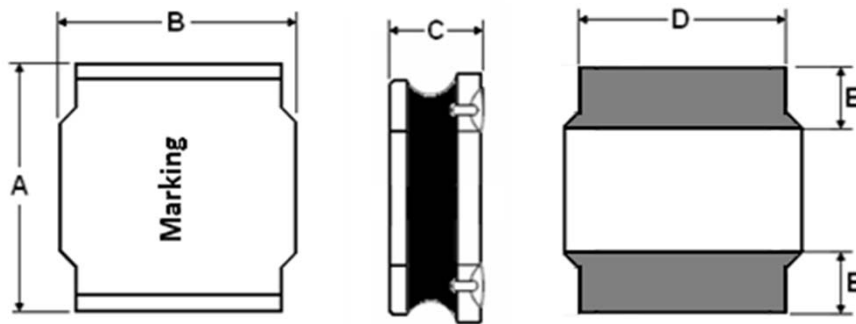
Inductance code

M

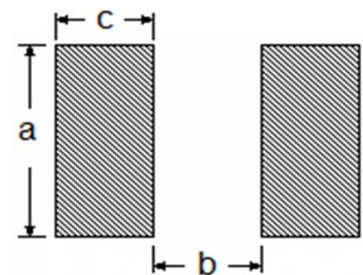
Tolerance: M : ± 20%

N : ± 30%

■ Outline Dimension:

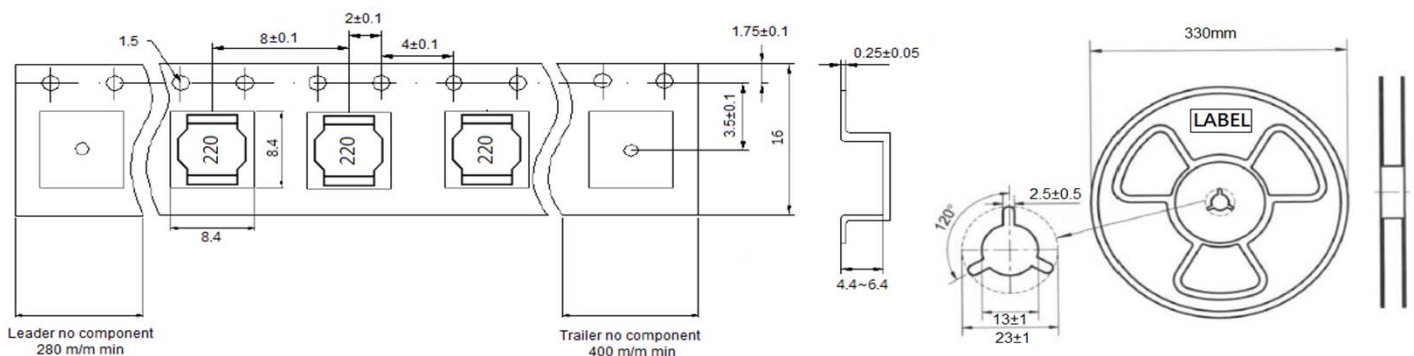


■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
SNR 8040	8.0±0.2	8.0±0.2	4.2 max	6.3 Typ	2.1±0.3	7.5 Typ	3.6 Typ	2.2 Typ
SNR 8060	8.0±0.2	8.0±0.2	6.0 max	6.3 Typ	2.1±0.3	7.5 Typ	3.6 Typ	2.2 Typ



■ Package: Q'TY / Reel

SNR-8040--1K/pcs

SNR-8060--800/pcs



8.0X8.0X4.0

■ Specifications

SNR 8040					
Flic No.	L	DCR (Ω)	SRF (MHz)	Stauration Current	Heat Rating Current
	(μ H)	Max	Tpy.	Isat (A)	Irms (A)
SNR 8040- R82N	0.82	0.008	94	13.80	6.30
SNR 8040- 1R0N	1.0	0.008	89	9.85	6.30
SNR 8040- 1R5N	1.5	0.010	67	8.15	5.65
SNR 8040- 2R2N	2.2	0.012	41	7.10	5.15
SNR 8040- 3R3N	3.3	0.017	27	6.50	4.40
SNR 8040- 4R7M	4.7	0.019	24	5.90	4.10
SNR 8040- 6R8M	6.8	0.024	20	4.55	3.60
SNR 8040- 8R2M	8.2	0.026	17	4.20	3.45
SNR 8040- 100M	10	0.042	15	3.60	3.30
SNR 8040- 150M	15	0.047	12	2.95	2.60
SNR 8040- 180M	18	0.053	11	2.70	2.40
SNR 8040- 220M	22	0.069	9.5	2.40	2.10
SNR 8040- 330M	33	0.097	7.8	2.05	1.80
SNR 8040- 470M	47	0.136	6.4	1.75	1.55
SNR 8040- 680M	68	0.196	4.9	1.45	1.25
SNR 8040- 820M	82	0.225	4.9	1.30	1.15
SNR 8040- 101M	100	0.290	4.2	1.15	1.00
SNR 8040- 121M	120	0.334	3.5	1.05	0.95
SNR 8040- 151M	150	0.410	3.5	1.10	0.85
SNR 8040- 221M	220	0.599	3.5	0.85	0.80
SNR 8040- 331M	330	0.889	2.8	0.68	0.64
SNR 8040- 471M	470	1.260	2.1	0.60	0.54
SNR 8040- 681M	680	2.040	1.7	0.50	0.45
SNR 8040- 102M	1000	2.800	1.4	0.40	0.35

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

■ Test Ferquency: 100K/1V

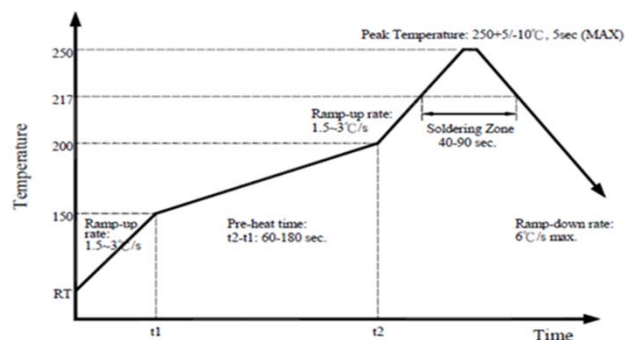
Isat: Based on Inductance decrease 30%

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:





8.0X8.0X6.0

Specifications

SNR 8060			
Flic No.	L	DCR (Ω)	Stauration Current
	(μ H)	Max	Isat (A)
SNR 8060- 2R2N	2.2	0.022	8.00
SNR 8060- 3R3N	3.3	0.025	7.50
SNR 8060- 4R7M	4.7	0.032	7.00
SNR 8060- 6R0M	6	0.034	6.00
SNR 8060- 6R8M	6.8	0.037	5.90
SNR 8060- 100M	10	0.042	5.80
SNR 8060- 150M	15	0.071	4.50
SNR 8060- 220M	22	0.100	4.30
SNR 8060- 330M	33	0.162	3.00
SNR 8060- 470M	47	0.188	2.85
SNR 8060- 680M	68	0.248	2.50
SNR 8060- 101M	100	0.380	2.00
SNR 8060- 681M	680	2.800	0.80
SNR 8060- 821M	820	3.400	0.70
SNR 8060- 102M	1000	3.870	0.60

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:

