

■ 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 5040

Type

4R7

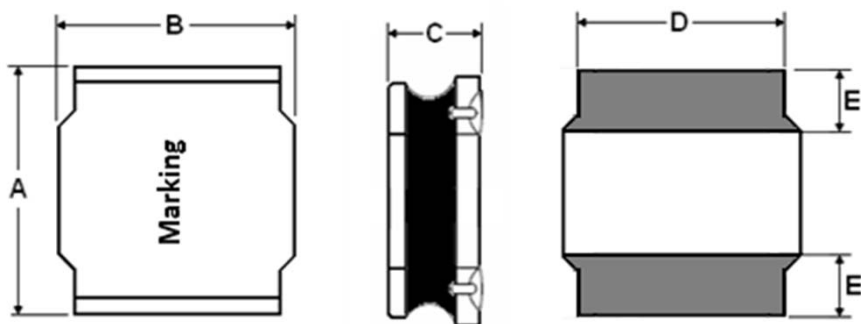
Inductance code

M

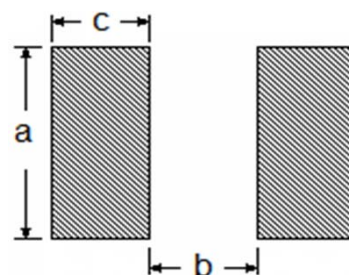
Tolerance: M : ± 20%

N : ± 30%

■ Outline Dimension:

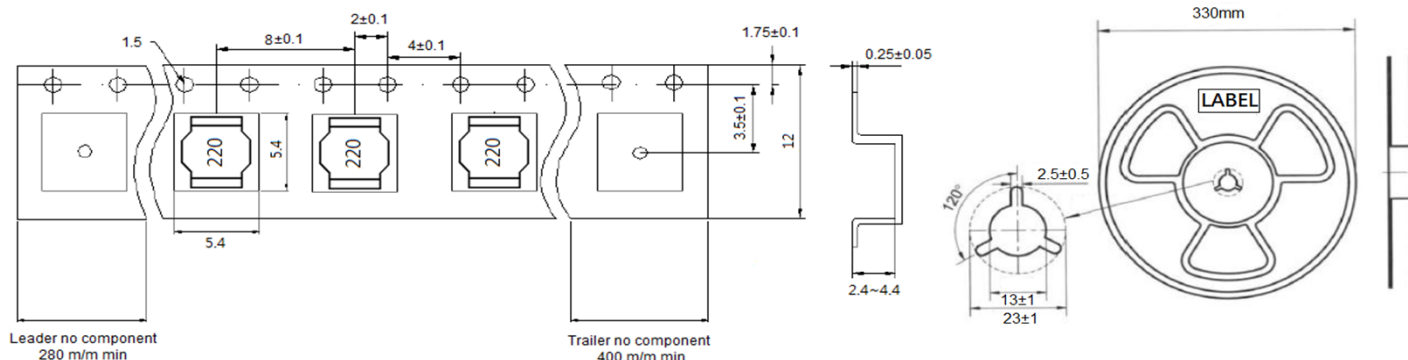


■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
SNR 5020	5.0±0.2	5.0±0.2	2.1 max	4.7 Ref.	1.8±0.3	4.7 Typ	1.2 Typ	1.8 Typ
SNR 5040	5.0±0.2	5.0±0.2	4.0 max	4.7 Ref.	1.8±0.3	4.7 Typ	1.2 Typ	1.8 Typ



■ Package: Q'TY / Reel

SNR-5020--3K/pcs

SNR-5040--1.5K/pcs



5.0X5.0X2.0

Specifications

SNR 5020					
Flic No.	L	DCR (Ω)	SRF (MHz)	Stauration Current	Heat Rating Current
	(μ H)	Max	Tpy.	Isat (A)	Irms (A)
SNR 5020- 1R0N	1.0	0.020	114	4.10	3.80
SNR 5020- 1R5N	1.5	0.030	68	4.10	3.20
SNR 5020- 2R2N	2.2	0.040	57	3.20	2.70
SNR 5020- 3R3N	3.3	0.050	46	2.55	2.30
SNR 5020- 4R7M	4.7	0.057	37	2.50	2.20
SNR 5020- 6R8M	6.8	0.083	30	2.05	1.80
SNR 5020- 8R2M	8.2	0.098	26	1.85	1.65
SNR 5020- 100M	10	0.120	24	1.70	1.55
SNR 5020- 150M	15	0.165	20	1.35	1.25
SNR 5020- 180M	18	0.200	16	1.25	1.15
SNR 5020- 220M	22	0.250	14	1.15	1.10
SNR 5020- 330M	33	0.400	10	0.92	0.90
SNR 5020- 470M	47	0.580	7.0	0.77	0.75
SNR 5020- 680M	68	0.740	6.0	0.65	0.64
SNR 5020- 101M	100	1.100	6.0	0.53	0.40

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

Test Ferquency: 100K/1V

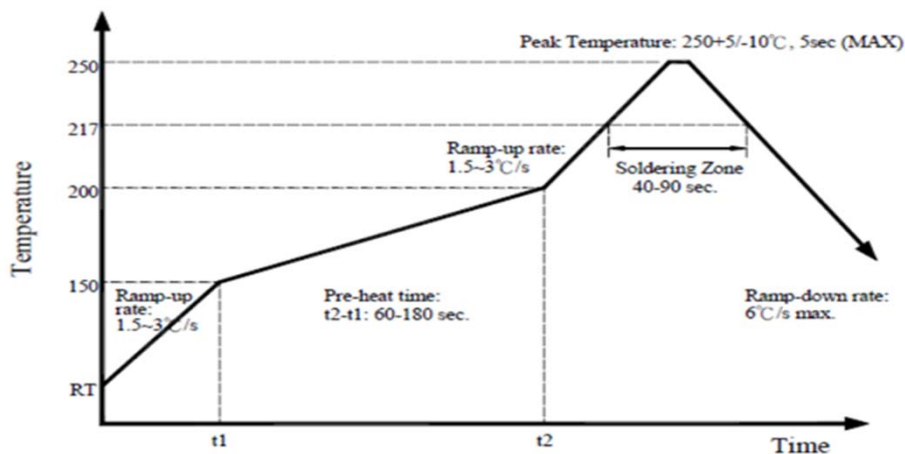
Isat: Based on Inductance decrease 30%

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:





5.0x5.0x4.0

■ Specifications

SNR 5040					
Flic No.	L	DCR (Ω)	SRF (MHz)	Stauration Current	Heat Rating Current
	(uH)	Max	Tpy.	Isat (A)	Irms (A)
SNR 5040- 1R0N	1.0	0.012	117	7.35	4.90
SNR 5040- 1R2N	1.2	0.016	110	6.50	4.15
SNR 5040- 1R5N	1.5	0.018	86	6.30	4.00
SNR 5040- 2R2N	2.2	0.019	50	4.90	3.80
SNR 5040- 3R3N	3.3	0.024	32	3.95	3.40
SNR 5040- 4R7M	4.7	0.032	28	3.50	3.00
SNR 5040- 5R6M	5.6	0.035	27	3.00	2.80
SNR 5040- 6R8M	6.8	0.043	21	2.90	2.50
SNR 5040- 100M	10	0.064	18	2.35	2.10
SNR 5040- 150M	15	0.086	13	2.00	2.00
SNR 5040- 220M	22	0.129	11	1.60	1.50
SNR 5040- 330M	33	0.188	9.1	1.30	1.20
SNR 5040- 470M	47	0.272	6.7	1.10	1.00
SNR 5040- 680M	68	0.400	5.7	0.90	0.80
SNR 5040- 101M	100	0.560	4.7	0.75	0.70
SNR 5040- 151M	150	0.750	5.0	0.65	0.60
SNR 5040- 221M	220	1.280	3.0	0.40	0.38
SNR 5040- 102M	1000	6.200	2.0	0.25	0.25
SNR 5040- 222M	2200	13.000	2.0	0.10	0.10

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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:

