

SMD Power chokes- SNR3008-SERIES

Features

1. This specification applies Low Profile Power Inductors
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. High reliability -Reliability test meet AEC-Q200

Applications

Smartphones, tablets and wearable devices
 DSC, camcorders
 DC / DC converters, etc.

Product Identification

SNR 3008NF -1R0M-TQ

SNR: SERIES NAME

3008: DIMENSION SIZE CODE

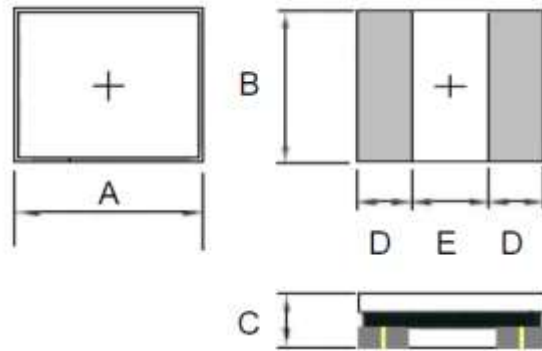
NF: CORE TYPE

1R0: INDUCTANCE CODE.

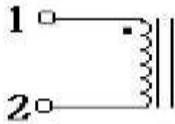
M: TOLERANCE, K=10% M=20% ±30%(N)

TQ: Material CODE

Dimensions (mm)



SCHEMATIC



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SNR3008NF	3.0±0.2	3.0±0.2	0.80max.	1.0 ref.	1.0 ref.

SUNLEI Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I rms (A) typ.
SNR3008NF-R68M-TQ	0.68	±20%	0.1V/1M	0.08	2.6	2.6
SNR3008NF-1R0M-TQ	1	±20%	0.1V/1M	0.1	1.9	1.9
SNR3008NF-2R2M-TQ	2.2	±20%	0.1V/1M	0.18	1.4	1.2
SNR3008NF-4R7M-TQ	4.7	±20%	0.1V/1M	0.32	1.1	0.95
SNR3008NF-6R8M-TQ	6.8	±20%	0.1V/1M	0.435	0.8	0.8
SNR3008NF-100M-TQ	10	±20%	0.1V/1M	0.62	0.7	0.65

Note:

1. I_{sat}: Based on inductance change ($\Delta L/L_0 \leq -30\%$) @ ambient temp. 25°C I_{rms}:

2. Based on temperature rise ($\Delta T: 40^\circ\text{C.}$) Max

Typical Performance Curves

