

SMD Power chokes- SNR252008-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

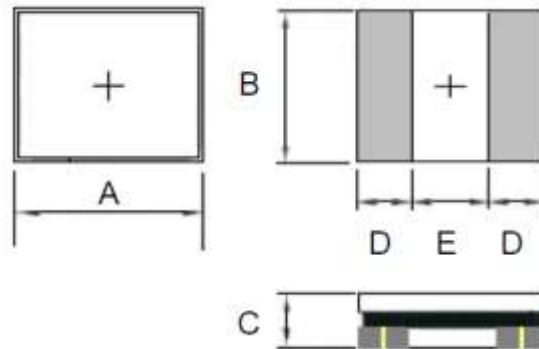
Smartphones, tablets and wearable devices
 DSC, camcorders
 DC / DC converters, etc.

Product Identification

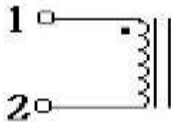
SNR 252008MF -1R0M-TQ

SNR: SERIES NAME
 252010: DIMENSION SIZE CODE
 MF: 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)
SNR252008MF	2.50-0.1/+0.3	2.0-0.05/+0.35	0.80 max.	0.85 ref.	0.80 ref.

SUNLEI Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) typ.	I rms (A) Max.
SNR252008MF-R47M-TQ	0.47	±20%	0.1V/1M	0.08	0.096	2.5	2.2	1.45	1.25
SNR252008MF-R68M-TQ	0.68	±20%	0.1V/1M	0.1	0.12	2.05	1.8	1.35	1.15
SNR252008MF-1R0M-TQ	1	±20%	0.1V/1M	0.12	0.145	1.75	1.5	1.2	1.05
SNR252008MF-1R5M-TQ	1.5	±20%	0.1V/1M	0.17	0.2	1.65	1.45	1.05	0.95
SNR252008MF-2R2M-TQ	2.2	±20%	0.1V/1M	0.21	0.25	1.4	1.2	0.95	0.85
SNR252008MF-3R3M-TQ	3.3	±20%	0.1V/1M	0.3	0.36	1.1	0.95	0.85	0.75
SNR252008MF-4R7M-TQ	4.7	±20%	0.1V/1M	0.4	0.48	0.9	0.8	0.7	0.63

Note:

1. Isat: Based on inductance change ($\Delta L/L0: \leq -30\%$) @ ambient temp. 25°C Irms:
2. Based on temperature rise ($\Delta T: 40^\circ\text{C}.$) Max

Typical Performance Curves

