

SMD Power chokes- SNR252012-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

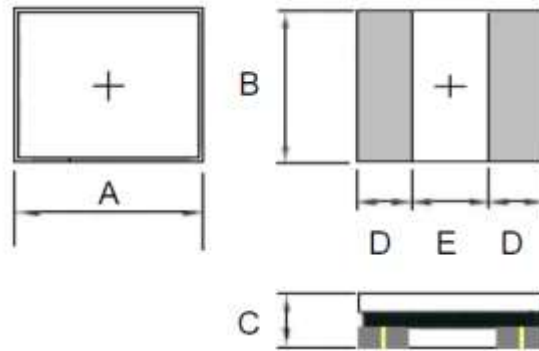
Smartphones, tablets and wearable devices
 DSC, camcorders
 DC / DC converters, etc.

Product Identification

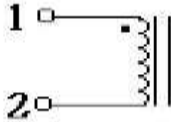
SNR 2520012CF -1R0Y-TQ

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)
SNR252012CF	2.5±0.2	2.0±0.2	1.2 max.	0.85 ref.	0.80 ref.

SUNLEI Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I sat (A) Max.	I rms (A) typ.	I rms (A) Max.
SNR252012CF-1R0Y-TQ	1	±30%	0.1V/1M	0.073	2.8	2.24	2.2	1.76
SNR252012CF-1R5Y-TQ	1.5	±30%	0.1V/1M	0.1	2.2	1.76	1.86	1.48
SNR252012CF-2R2M-TQ	2.2	±20%	0.1V/1M	0.129	1.8	1.44	1.7	1.36
SNR252012CF-3R3M-TQ	3.3	±20%	0.1V/1M	0.22	1.3	1.04	1.2	0.96
SNR252012CF-4R7M-TQ	4.7	±20%	0.1V/1M	0.29	1.1	0.88	1.04	0.83
SNR252012CF-6R8M-TQ	6.8	±20%	0.1V/1M	0.37	0.94	0.75	0.94	0.75
SNR252012CF-100M-TQ	10	±20%	0.1V/1M	0.57	0.82	0.65	0.84	0.6

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