

SMD Power chokes- SNR8030-SERIES

Features

1. This specification applies Low Profile Power Inductors
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.

Applications

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

Product Identification

SNR 8030 B -100M-TQ

SNR: SERIES NAME

8030: DIMENSION SIZE CODE

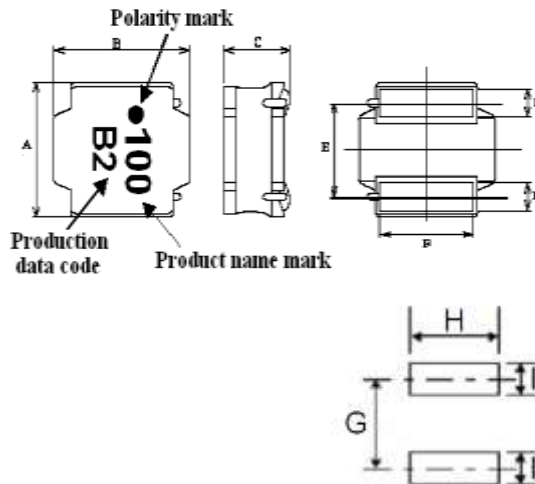
B: CORE TYPE

100: INDUCTANCE CODE.

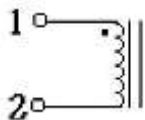
M: TOLERANCE, K=10% M=20%.±30%(N)

TQ: Material CODE

Dimensions (mm)



SCHEMATIC



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
SNR8030B	8.0±0.2	8.0±0.2	3.0 max.	1.6±0.3	5.6±0.3	5.5±0.4

G(mm)	H(mm)	I(mm)
5.6 ref.	7.5 ref.	1.8 ref.

SUNLEI Part Number	Inductance (uH)	Tolerance (%)	Test Frequency	SRF (MHz) min.	DCR (Ω) ± 30%	I sat (A)	I rms (A)
SNR8030B-1R0Y-TQ	1	±30%	1V100K	120	0.009	7.8	6.2
SNR8030B-1R5Y-TQ	1.5	±30%	1V100K	80	0.012	6.2	5.3
SNR8030B-2R2Y-TQ	2.2	±30%	1V100K	60	0.015	4.9	4.8
SNR8030B-3R3M-TQ	3.3	±20%	1V100K	50	0.019	4.2	4.3
SNR8030B-4R7M-TQ	4.7	±20%	1V100K	40	0.022	3.6	4
SNR8030B-6R8M-TQ	6.8	±20%	1V100K	32	0.029	3	3.4
SNR8030B-100M-TQ	10	±20%	1V100K	27	0.033	2.4	3
SNR8030B-150M-TQ	15	±20%	1V100K	20	0.06	2	2.2
SNR8030B-220M-TQ	22	±20%	1V100K	16	0.07	1.75	1.9

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