SUNLEI TECHNOLOGY CORP.

SMD Power chokes- SNR3010-SERIES

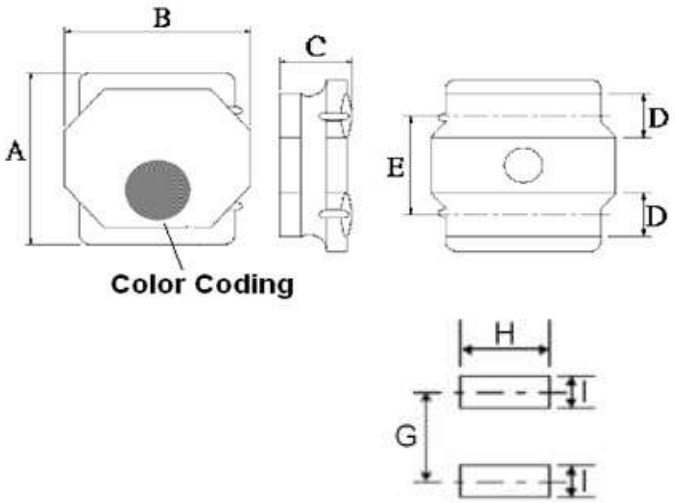
Features

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.

Dimensions (mm)

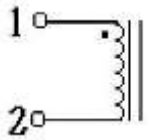


Product Identification

SNR 3010 A -100M-TQ

SNR: SERIES NAME
3010:DIMENSION SIZE CODE
A: CORE TYPE
100: INDUCTANCE CODE.
M: TOLERANCE, K=10% M=20%.±30%(N)
TQ:Materrial CODE

SCHEMATIC



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SNR3010A	3.0±0.1	3.0±0.1	1.0 max.	0.9±0.2	1.9±0.2
SNR3012A	3.0±0.1	3.0±0.1	1.2 max.	0.9±0.2	1.9±0.2

G(mm)	H(mm)	I(mm)
2.2 ref.	2.7 ref.	0.8 ref.

SUNLEI Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	SRF (MHz) min.	DCR (Ω) ±20%	I sat (A)	I rms (A)	Color Coding
SNR3010A-1R2Y-TQ	1.2	±30%	1V100K	120	0.065	1.7	1.48	Silver
SNR3010A-1R5Y-TQ	1.5	±30%	1V100K	99	0.075	1.44	1.37	Silver
SNR3010A-2R2M-TQ	2.2	±20%	1V100K	86	0.083	1.3	1.3	Silver
SNR3010A-3R3M-TQ	3.3	±20%	1V100K	64	0.13	1	1.03	Silver
SNR3010A-4R7M-TQ	4.7	±20%	1V100K	50	0.17	0.85	0.9	Silver
SNR3010A-6R8M-TQ	6.8	±20%	1V100K	44	0.25	0.7	0.745	Silver
SNR3010A-100M-TQ	10	±20%	1V100K	34	0.35	0.6	0.62	Silver
SNR3010A-150M-TQ	15	±20%	1V100K	25	0.55	0.45	0.48	Silver
SNR3010A-220M-TQ	22	±20%	1V100K	22	0.77	0.38	0.41	Silver

Note:
1.Isat：Based on inductance change （△L/L0：≦-30%）@ ambient temp. 25℃ Irms：
2.Based on temperature rise （△T：40℃.）Max

SUNLEI TECHNOLOGY CORP.

SMD Power chokes- SNR3012-SERIES

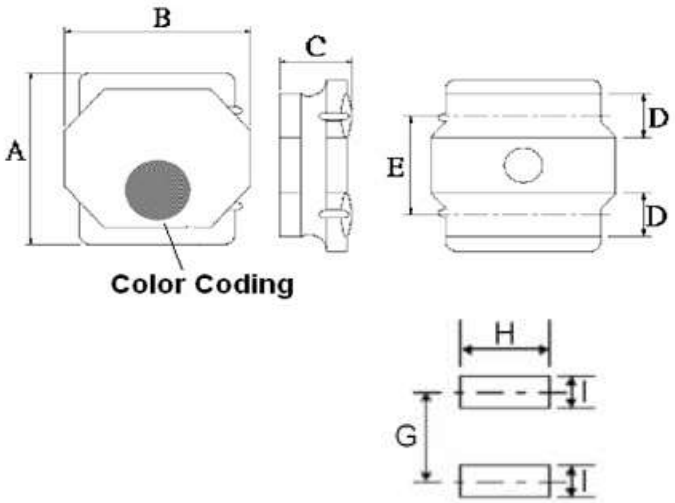
Features

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.

Dimensions (mm)

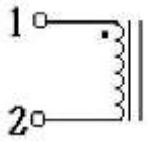


Product Identification

SNR 3012 A -100M-TQ

SNR: SERIES NAME
3012:DIMENSION SIZE CODE
A: CORE TYPE
100: INDUCTANCE CODE.
M: TOLERANCE, K=10% M=20%.±30%(N)
TQ:Materrial CODE

SCHEMATIC



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SNR3010A	3.0±0.1	3.0±0.1	1.0 max.	0.9±0.2	1.9±0.2
SNR3012A	3.0±0.1	3.0±0.1	1.2 max.	0.9±0.2	1.9±0.2

G(mm)	H(mm)	I(mm)
2.2 ref.	2.7 ref.	0.8 ref.

SUNLEI Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	SRF (MHz) min.	DCR (Ω) ±20%	I sat (A)	I rms (A)	Color Coding
SNR3012A-1R0Y-TQ	1	±30%	1V100K	111	0.048	2.2	1.71	Silver
SNR3012A-1R5Y-TQ	1.5	±30%	1V100K	95	0.055	1.7	1.6	Silver
SNR3012A-2R2M-TQ	2.2	±20%	1V100K	78	0.075	1.5	1.37	Silver
SNR3012A-3R3M-TQ	3.3	±20%	1V100K	61	0.1	1.2	1.21	Silver
SNR3012A-4R7M-TQ	4.7	±20%	1V100K	50	0.13	1	1.06	Silver
SNR3012A-6R8M-TQ	6.8	±20%	1V100K	43	0.19	0.85	0.89	Silver
SNR3012A-100M-TQ	10	±20%	1V100K	32	0.27	0.73	0.72	Silver
SNR3012A-150M-TQ	15	±20%	1V100K	26	0.45	0.53	0.57	Silver
SNR3012A-220M-TQ	22	±20%	1V100K	22	0.63	0.5	0.5	Silver

Note:
1.Isat：Based on inductance change （△L/L0：≦-30%）@ ambient temp. 25℃ Irms：
2.Based on temperature rise （△T：40℃.）Max