

## SMD Power chokes- SNR2410-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 2410 A -100M -TQ

SNR: SERIES NAME

2410: DIMENSION SIZE CODE

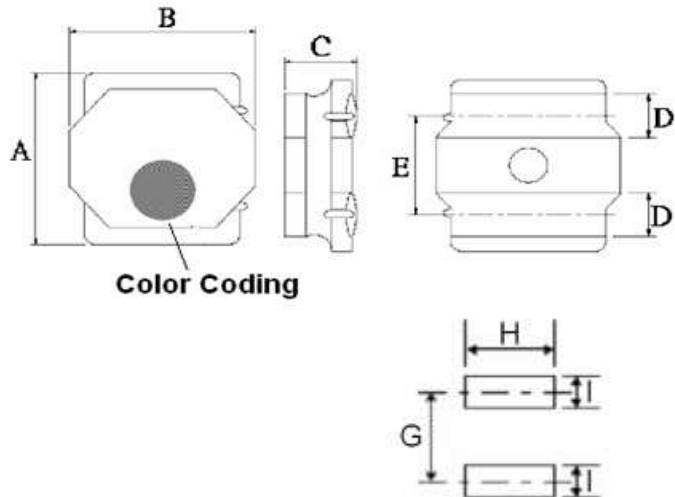
A: CORE TYPE

100: INDUCTANCE CODE.

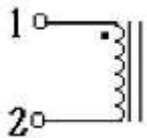
M: TOLERANCE, K=10% M=20%.±30%(N)

TQ: Material CODE

### Dimensions (mm)



### SCHEMATIC



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SNR2410A	2.4±0.1	2.4±0.1	1.0 max.	0.6±0.2	1.45±0.2
SNR2412A	2.4±0.1	2.4±0.1	1.2 max.	0.6±0.2	1.45±0.2

G(mm)	H(mm)	I(mm)
1.45 ref.	2.0 ref.	0.70 ref.

SUNLEI Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	SRF (MHz) min.	DCR (Ω) ±20%	I sat (A)	I rms (A)	Color Coding
SNR2410A-R68Y-TQ	0.68	±30%	1V100K	120	0.06	2.2	1.57	Silver
SNR2410A-1R0Y-TQ	1	±30%	1V100K	106	0.07	1.8	1.41	Silver
SNR2410A-1R5M-TQ	1.5	±20%	1V100K	94	0.11	1.55	1.16	Silver
SNR2410A-2R2M-TQ	2.2	±20%	1V100K	77	0.15	1.29	0.97	Silver
SNR2410A-3R3M-TQ	3.3	±20%	1V100K	56	0.22	1	0.77	Silver
SNR2410A-4R7M-TQ	4.7	±20%	1V100K	50	0.29	0.88	0.67	Silver
SNR2410A-6R8M-TQ	6.8	±20%	1V100K	43	0.41	0.75	0.57	Silver
SNR2410A-100M-TQ	10	±20%	1V100K	32	0.69	0.55	0.45	Silver
SNR2410A-150M-TQ	15	±20%	1V100K	27	1.02	0.47	0.37	Silver
SNR2410A-220M-TQ	22	±20%	1V100K	22	1.47	0.39	0.3	Silver

Note:

1. Isat: Based on inductance change ( $\Delta L/L_0 \leq -30\%$ ) @ ambient temp. 25°C Irms:
2. Based on temperature rise ( $\Delta T: 40^\circ\text{C}$ .) Max

## SMD Power chokes- SNR2412-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 2412 A -100M-TQ**

SNR: SERIES NAME

2412: DIMENSION SIZE CODE

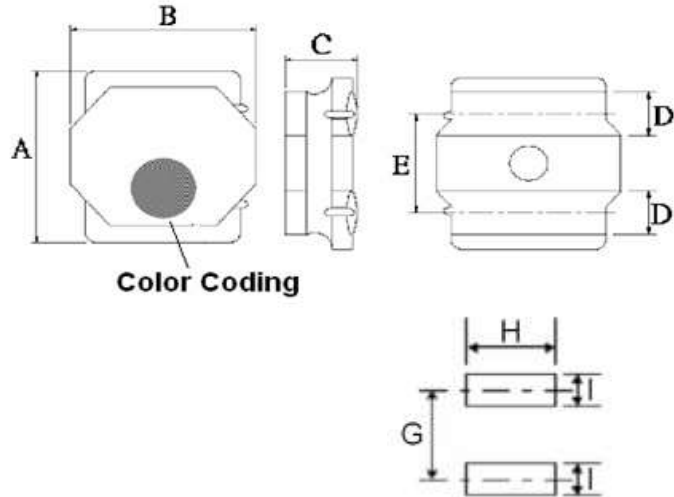
A: CORE TYPE

100: INDUCTANCE CODE.

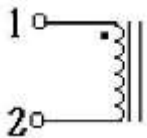
M: TOLERANCE, K=10% M=20% ±30% (N)

TQ: Material CODE

### Dimensions (mm)



### SCHEMATIC



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SNR2410A	2.4±0.1	2.4±0.1	1.0 max.	0.6±0.2	1.45±0.2
SNR2412A	2.4±0.1	2.4±0.1	1.2 max.	0.6±0.2	1.45±0.2

G(mm)	H(mm)	I(mm)
1.45 ref.	2.0 ref.	0.70 ref.

SUNLEI Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	SRF (MHz) min.	DCR (Ω) ±20%	I sat (A)	I rms (A)	Color Coding
SNR2412A-1R0Y-TQ	1	±30%	1V100K	101	0.077	2.35	1.3	Silver
SNR2412A-1R5M-TQ	1.5	±30%	1V100K	89	0.1	2.1	1.15	Silver
SNR2412A-2R2M-TQ	2.2	±20%	1V100K	72	0.14	1.7	1	Silver
SNR2412A-3R3M-TQ	3.3	±20%	1V100K	56	0.225	1.4	0.75	Silver
SNR2412A-4R7M-TQ	4.7	±20%	1V100K	45	0.3	1.15	0.65	Silver
SNR2412A-6R8M-TQ	6.8	±20%	1V100K	34	0.42	0.95	0.55	Silver
SNR2412A-100M-TQ	10	±20%	1V100K	29	0.6	0.81	0.45	Silver

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