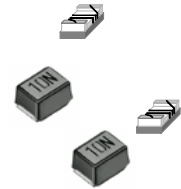


# WIRE WOUND CHIP INDUCTORS SWI/SCI SERIES

## Introductions

The SWI/SCI series are chip inductors widely used in the communication applications such as cellular phones, pagers, and other electronic devices. The wire wound features advance in higher self resonate frequency, better Q factor, and much more stable performance.



## Features

- \* Operating temperature -40 °C to + 85 °C.
- \* Excellent solderability and resistance to soldering heat .
- \* Suitable for flow and reflow soldering..
- \* Good dimensions, high reliability, and easy surface mount assembly.
- \* At least 3 types of materials provide wide range of inductance value for flexible needs.

## Part Number Code

SWI	0603	C	T	3N3	J	□ □
1	2	3	TAPING	4	5	Internal Code

### 1. Product Type

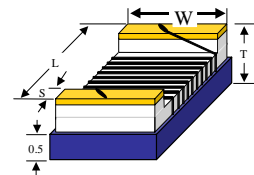
SWI Series : Wire Wound

SCI Series : Molding

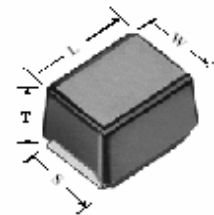
### 2. Chip Dimension

Size (inch) mm	Length (L) (inch) mm	Width (W) (inch) mm	Thickness (T) (inch) mm	Terminal (S) (inch) mm
SWI 0402 100505	(0.039 ± 0.004) 1.00 ± 0.10	(0.022 ± 0.004) 0.55 ± 0.10	(0.020 ± 0.004) 0.50 ± 0.10	(0.008 ± 0.004) 0.20 ± 0.10
SWI 0603 161010	(0.063 ± 0.008) 1.60 ± 0.20	(0.041 ± 0.008) 1.05 ± 0.20	(0.041 ± 0.008) 1.05 ± 0.20	(0.014 ± 0.004) 0.35 ± 0.10
SWI 0805 201212	(0.080 ± 0.008) 2.00 ± 0.20	(0.050 ± 0.008) 1.25 ± 0.20	(0.048 ± 0.008) 1.20 ± 0.20	(0.016 ± 0.004) 0.40 ± 0.10
SWI 1008 252016	(0.098 ± 0.008) 2.50 ± 0.20	(0.063 ± 0.008) 2.00 ± 0.20	(0.063 ± 0.008) 1.60 ± 0.20	(0.020 ± 0.004) 0.50 ± 0.10
SWI 1210 322522	(0.126 ± 0.008) 3.20 ± 0.20	(0.098 ± 0.008) 2.50 ± 0.20	(0.087 ± 0.008) 2.20 ± 0.20	(0.020 ± 0.004) 0.50 ± 0.10
SWI 1812 453232	(0.180 ± 0.008) 4.50 ± 0.20	(0.126 ± 0.008) 3.20 ± 0.20	(0.126 ± 0.008) 3.20 ± 0.20	(0.020 ± 0.004) 0.50 ± 0.10
SCI 1210 FT 322522	(0.126 ± 0.008) 3.20 ± 0.20	(0.098 ± 0.008) 2.50 ± 0.20	(0.087 ± 0.008) 2.20 ± 0.20	(0.075 ± 0.004) 1.90 ± 0.10
SCI 1210 HT 322522	(0.126 ± 0.008) 3.20 ± 0.20	(0.098 ± 0.008) 2.50 ± 0.20	(0.087 ± 0.008) 2.20 ± 0.20	(0.039 ± 0.004) 1.00 ± 0.10
SCI 1812 453232	(0.180 ± 0.008) 4.50 ± 0.20	(0.126 ± 0.008) 3.20 ± 0.20	(0.126 ± 0.008) 3.20 ± 0.20	(0.102 ± 0.004) 2.60 ± 0.10

**SWI SERIES**



**SCI SERIES**



### 3. Material Type

C : Ceramic

F : Ferrite

H : High Current

### 4. Inductance Value

3N3 = 3.3 nH

R33 = 330 nH

330 = 33 uH

33N = 33 nH

3R3 = 3.3 uH

331 = 330 uH

### 5. Tolerance

B = ± 0.2 nH

G = ± 2 %

K = ± 10 %

S = ± 0.3 nH

J = ± 5 %

M = ± 20 %