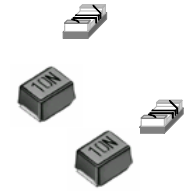


WIRE WOUND CHIP INDUCTORS SWI/SCI SERIES

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

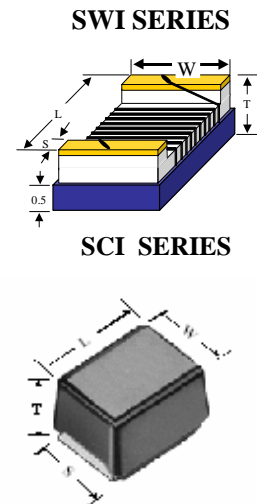
1. Product Type

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 0603 1608	(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 2012	(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 2520	(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 3225	(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
SCI 1210 FT 3225	(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 3225	(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 4532	(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



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 = ± 0.15 nH

G = ± 2 %

K = ± 10 %

S = ± 0.3 nH

J = ± 5 %

M = ± 20 %