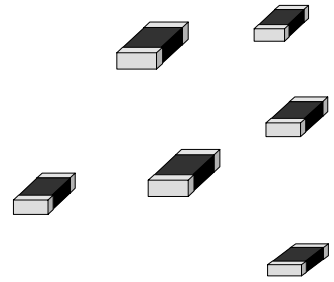


MULTILAYER CHIP INDUCTORS SMI SERIES

Introductions

The SMI series are chip inductors widely used in the communication applications such as cellular phones, pagers, computers and other electronic devices. The device features in magnetic shielding which avoids cross coupling and cross-talk.



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

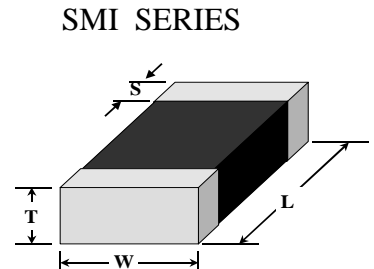
SMI 0603 C T 3N3 J

1 2 3 TAPING 4 5 Internal Code

1. Product Type SMI Series : Multilayer

2. Chip Dimension

Size (inch) mm	Length (L) (inch) mm	Width (W) (inch) mm	Thickness (T) (inch) mm	Terminal (S) (inch) mm
SMI 0603 160808	(0.063 ± 0.008) 1.60 ± 0.20	(0.031 ± 0.008) 0.80 ± 0.20	(0.031 ± 0.008) 0.80 ± 0.20	(0.016 ± 0.004) 0.30 ± 0.10
SMI 0805 201209	(0.080 ± 0.008) 2.00 ± 0.20	(0.050 ± 0.008) 1.25 ± 0.20	(0.035 ± 0.008) 0.90 ± 0.20	(0.016 ± 0.004) 0.40 ± 0.10
SMI 0805 201211	(0.080 ± 0.008) 2.00 ± 0.20	(0.050 ± 0.008) 1.25 ± 0.20	(0.043 ± 0.008) 1.10 ± 0.20	(0.016 ± 0.004) 0.40 ± 0.10
SMI 1206 321611	(0.126 ± 0.008) 3.20 ± 0.20	(0.063 ± 0.008) 1.60 ± 0.20	(0.043 ± 0.008) 1.05 ± 0.20	(0.02 ± 0.012) 0.50 ± 0.30



3. Material Type

C : Ceramic F : Ferrite

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

J = ± 5 % K = ± 10 % M = ± 20 %