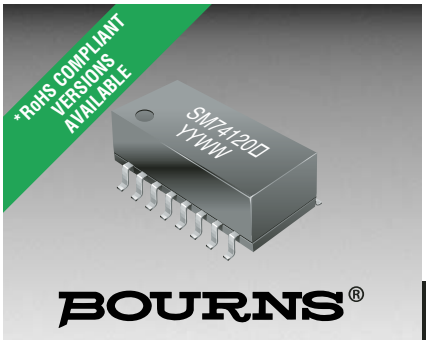


Features

- Dual SMD package with transmit and receive transformer
- Low height of only 6.2 mm
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant*

Applications

- Telecom

SM74120 - T1/CEPT/ISDN-PRI Transformer

Electrical Specifications @ 25 °C

Primary Pins
- Core A 16-14
- Core B 6-8

Ratio (±2 %)
- Core A .....1:1 & 1:1.26
- Core B 1CT:2CT

OCL (mH) min.
- Core A & B 1.2

Leakage Inductance (µH) max.
- Core A & B 0.60

Cww (pF) max.
- Core A & B 30

DCR of primary (Ω) max.
- Core A & B 0.70

DCR of secondary (Ω) max.
- Core A.....0.80
- Core B.....1.00

HIPOT (VAC) 1500

Operating Temperature (°C) .....0 to +70

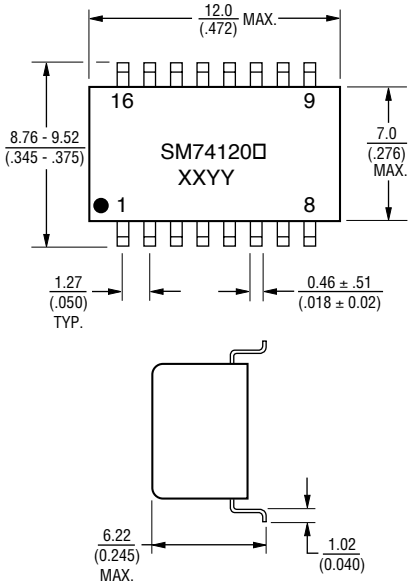
*CT : center tap

Packaging Specifications

Tape & Reel* .....700 pcs./reel

*"E" suffix at end of part number designates tape & reel packaging, e.g. SM74120E.

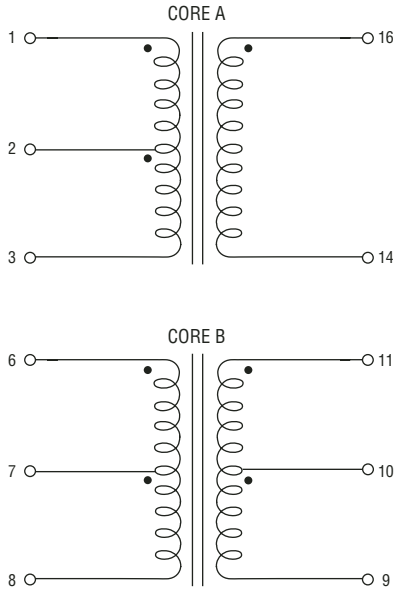
Product Dimensions



DIMENSIONS ARE: MM / (INCHES)

TOLERANCE: ± 0.254 (.010)

Electrical Schematic



How to Order

SM74120E __

Model

Termination
- Blank = Tin-lead
- L = Tin only (lead free)

03/05

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.