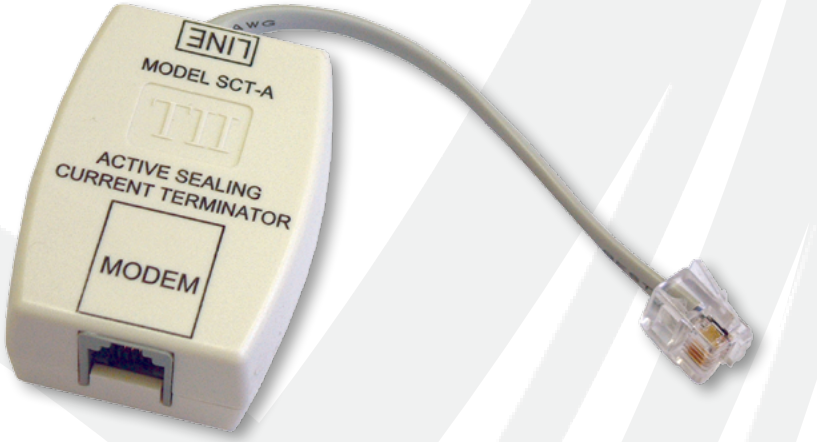
SCT-A

Active Sealing Current Terminator



Provides Sealing Current Termination to Non Telephone Service DSL Subscriber Lines

Microprocessor Controlled for Timed Sealing Current

No Attenuation to DSL Signals

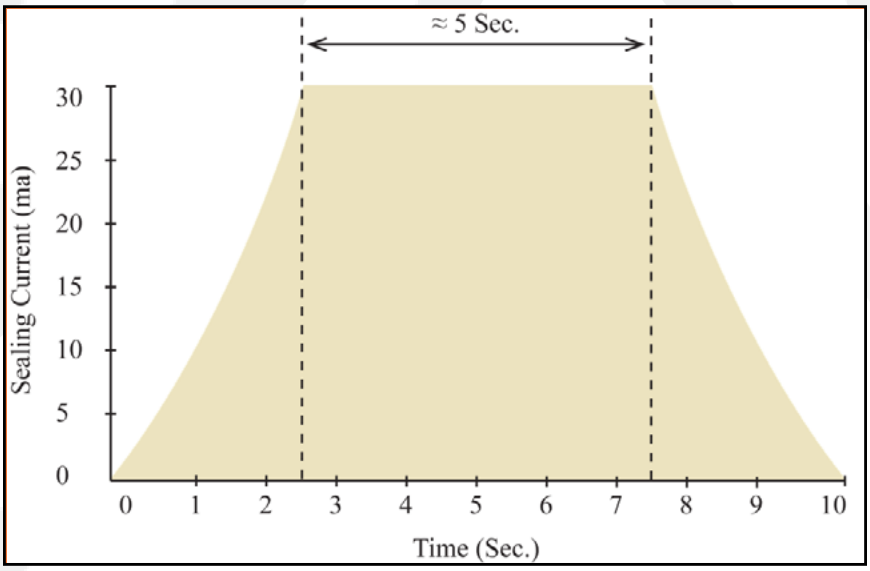
Meets Telcordia GR-57-CORE Requirements

Compatible with ADSL, VDSL and DSL 2+ Services

Tii's Active Sealing Current Terminator is a microprocessor controlled circuit that provides DC sealing current terminations to non telephone service DSL subscriber lines. It maintains network connection integrity by allowing current to flow through "DSL Only" service.

KEY PRODUCT BENEFITS

- The Active Sealing Current Terminator device incorporates a DSL low pass filter and eliminates any DSL signal attenuation
- Microprocessor turns on sealing current termination for a limited time once each day. This eliminates excessive drain on the central office power supply, yet keeps the circuit energized for the continuous circuit integrity
- During the time sealing current is not applied, the current drain from central office battery is less than 1 ma.
- Sealing current application is gradual. The current is increased slowly to eliminate any data errors that might happen otherwise. Similarly sealing current is gradually taken off the line at the end of sealing current duration



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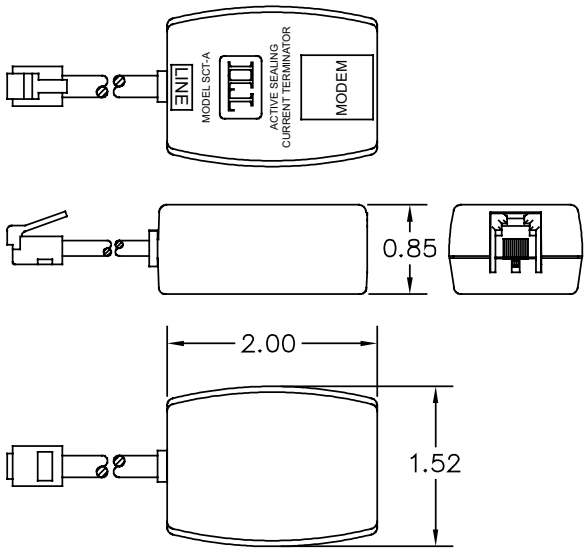

Dimensions are in Inches

SPECIFICATIONS

Operating Voltage Range	30-60 Volts
Sealing Current @ 48 Volts	32 ma
Duration of Sealing Current (Approx.)	5 Seconds
Non Sealing Current Duration (Approx.)	24 Hours
Non Sealing Current Duration Current Drain	0.5 ma Typical
Line Side Differential Input Blocking Impedance	
@ 20 kHz	> 2 k
@ 30 kHz	> 3 k
Insertion Loss	
@ 40 kHz	> 45 dB
@ 1.1 MHz	> 45 dB

ORDERING INFORMATION

Model No.	Description	Standard Pkg.
SCT-A	Active Sealing Current Terminator	50 pieces - 0.0625 lbs. each