

97 Series

VDSL/ADSL2+ POTS Splitter Modules

Compatible with
Tii's 3600/3700/763 Series
and CAC 7600 Footprints

Circuit approved by
Calix, IOL for VDSL/ADSL2+,
IPTV Deployment

Meets IPTV Ring Trip
Saturation Current
Requirements for VDSL
and ADSL2+ Circuits

Provides Network
Test Signature

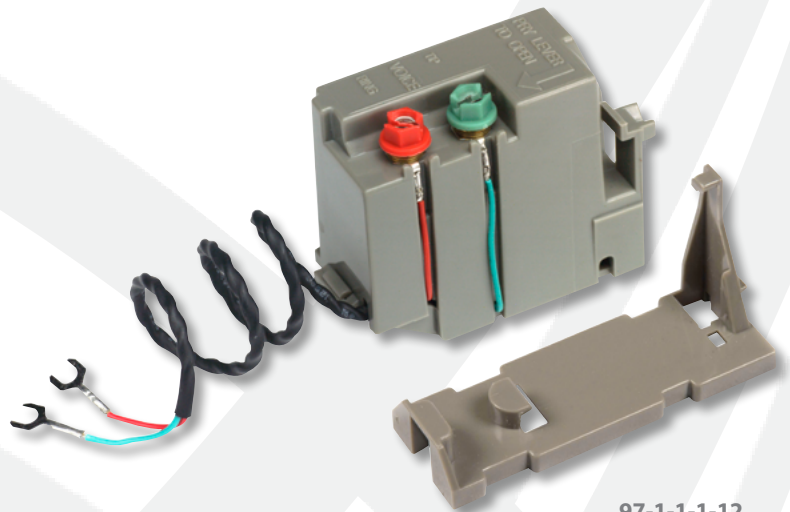
Listed to UL 1863



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97-1-1-1-12

The 97 VDSL/ADSL2+ POTS Splitter Module is a passive device which splits the combined voice and data signal carried on telephone lines to provide separate outputs for both phone and data services.

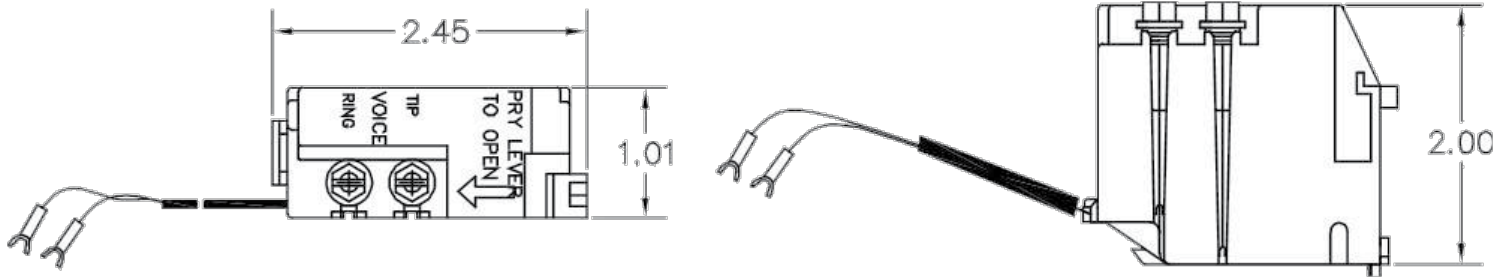
KEY PRODUCT BENEFITS

- ▶ Designed for use at the subscriber premises in a Network Interface Device (NID)
- ▶ Device can be mounted in a wide variety of NIDs in the customer access compartment
- ▶ May be installed adjacent to existing POTS (Plain Old Telephone Service) customer bridge module
- ▶ VDSL and Asymmetrical Digital Subscriber Line (ADSL2+) provide high-bit-rate digital information over telephone subscriber lines. The Tii 97 splitter design makes it possible to use a single phone line to provide triple play services including VDSL/ADSL2+ and IPTV.
- ▶ Adapts to CAC 7600 footprint

INDUSTRY STANDARDS

- ▶ ANSIT1.424 Compliant
- ▶ Listed to UL 1863 as a communication circuit accessory

97 Series



Dimensions are in Inches

Electrical (Complies with ANSI T1.424 Issue 2 Annex E)

DC Loop Current	0 to 100 mA
DC Loop Voltage (tip-to-ring)	0 to -60Vdc
Ringing Signals	103 Vrms superimposed on the DC Loop Voltage; 20 - 30 Hz
DC Resistance	< 20 Ohms, POTS tip-to-ring with Line port (U-R) shorted
Insertion Loss (Short & Long Loop)	≤ 0.5 dB
Tip-to-Ring Capacitance, POTS port	20 ≤ C ≤ 100 nF; 20 - 30 Hz
Input Impedance (Measured Level)	≤ 0.25 dB; 30 kHz - 12 MHz, ZTr = 600
Attenuation Distortion (Voice Band), increase relative to Insertion Loss at 1004 Hz	+0.7 to -0.5dB; 200 - 3.4 kHz, short loop, ZTc = 900, ZTr = 600 +0.7 to -0.5dB; 3.4 - 4.0 kHz, short loop, ZTc = 900, ZTr = 600 +0.4 to -0.5dB; 200 - 3.4 kHz, long loop, ZTc = 900, ZTr = 600 +0.5 to -0.5dB; 3.4 - 4.0 kHz, long loop, ZTc = 900, ZTr = 600

Environmental

Lightning Surge	GR-1089 CORE Level 1 and Level 2 Surge
Power Cross	GR-1089 CORE First and Second Level AC Power Fault Immunity
Operating Temperature	-40 to +65 °C (-40 to 149 °F)
Relative Humidity	0 to 95%, non-condensing
UL Listed	As a communication circuit accessory

ORDERING INFORMATION

97	-1	-1	-X	-12
Wiring Type	Input Terminations	Adapter	Splitter	
1 = Screw Terminations	1 = With Spade Connectors	0 = None (fits Tii 3600/3700/763 footprint)	1 = With Adapter (fits CAC 7600 footprint)	12 = VDSL2 Compatible Splitter



Optional 9A Adapter for 97 Series Modules