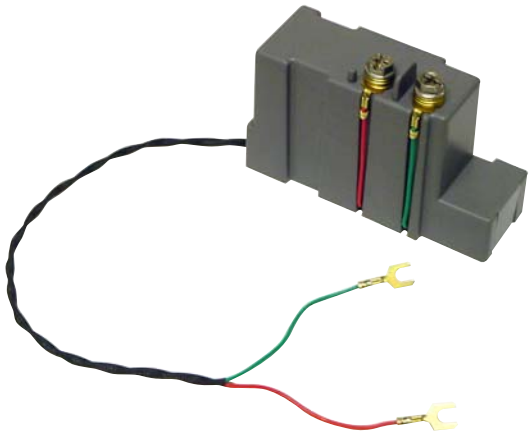
SUTTLE

DSL Line Conditioners

DSL NID Splitter Module



Product Description

The DSL NID Splitter Module is designed for use in a variety of Network Interface Devices (NID) at the subscriber premise. This device occupies one line module position within the NID providing Plain Old Telephone Service (POTS) on an ADSL service lines. The module is easy to install and can snap in and out of the NID with access to the network portion.

Features

- Space efficient single-wide line module package for NID
- Environmentally sealed
- Versatile design accommodates a variety of NIDs
- Pigtailed plug and pigtailed jack configuration
- Maintenance test signature included

Standards

- Meets ANSI T1.413 standards for DSL compliance
- FCC Part 68 compliance pending
- UL listing pending

Specifications

DC Loop Current	0 to 100 mA
DC Loop Voltage (tip to ring)	0 to -60 Vdc
Ringing Signals	103 Vrms superimposed on the DC Loop Voltage, 20 to 30 Hz
DC Resistance	< 25 ohms, POTS tip-to-ring with Line port (U-R) shorted
Insertion Loss	< 1.0 dB; ZTc = 900, ZTr = 600, 1004 Hz
Longitudinal Balance (2-port)	> 58 dB; 200 - 1.0 kHz
POTS to Line port (U-R) and Line port (U-R) to POTS	> straight line from 58 dB @ 1kHz to 53 dB @ 3.0 kHz Bias 25 mA DC
Tip-to-Ring Capacitance, POTS port	20 < C < 115 nF; 20 to 30 Hz
Capacitance to Ground, POTS port	< 1.0 nF; 20 to 30 Hz
ADSL Band Attenuation	> 65 dB; 30 - 300 kHz, ZTr = 600 > 55 dB; 300 - 1104 kHz, ZTr = 600
Input Impedance	< 0.25 dB; 30 to 1104 kHz, ZTr = 600

Outline Dimensions

L x W x H (in inches):	L 2.90” x W 1.02” x H 1.65”

Ordering Information

Product Number	Description
649N1-49	DSL NID Splitter Module, Single Line

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