

## Features

- Optimized for video over VDSL2 applications
- Superior handling of ring currents up to 450 mA
- Service interoperability and compatibility
- Meets requirements of ITU G.993.2
- Listed per UL 1863 (File: E116756)
- Insulation Displacement Connectors (IDC)
- Multiple "Home Run" connections



This series is currently available but not recommended for new designs.

## 3610V2-IDC VDSL2 POTS Splitters

Bourns® 3610V2-IDC products are high quality VDSL2 POTS splitters designed to fit industry-standard Network Interface Devices (NIDs). These POTS splitters are optimized for high bit-rate video over VDSL2 applications. The products are ANSI T1.413 compliant, meet the requirements of ITU G.993.2 and can be used with VDSL and VDSL2. The 3610V2-IDC POTS splitters accept the incoming combined voice & data service, filter off the voice (POTS) channel and provide a connection point for the DSL data services (ADSLx modem). In the event of power loss, the passive filter design allows for lifeline POTS service.

Bourns offers the VDSL POTS splitter in an industry standard footprint as an IDC version, which occupies only a single space in the NID. Fitted with screw terminals and flying leads, the 3610V2-IDC units can be installed in minutes. When combined with a Bourns® MSP® Multi-Stage Protector, Sealed Switching Jack, and optional IDC expansion bridge, a complete VDSL2 solutions package is provided for the customer premises.

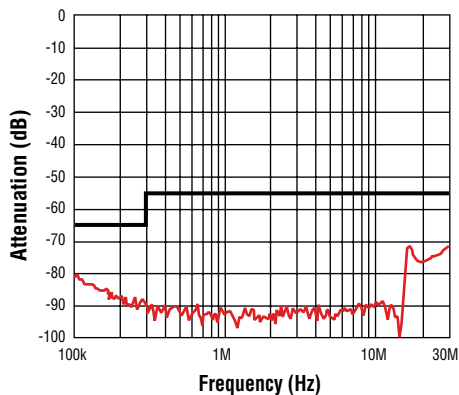
### Characteristics

DC Loop Current .....	0-100 mA
DC Loop Voltage .....	0 to -60 V
DC Resistance.....	≤25 ohms
Insertion Loss (Voice Band).....	<1.0 dB
Attenuation Distortion (Voice Band).....	< ±0.5 dB
Delay Distortion (Voice Band).....	<200 μs
Return Loss (Voice Band).....	8 dB ERL; 5 dB SRL-Low; 5 dB SRL-High
Longitudinal Balance, Two Port Technique, POTS to Line Port (U-R); Line Port to POTS .....	>58 dB @ 0.2 to 1 kHz >53 dB @ 3 kHz
VDSL Band Attenuation.....	>65 dB @30 kHz – 30 MHz
Tip to Ring Capacitance (POTS Port) .....	<115 nF
Input Impedance (Loading the VDSL Band).....	<0.25 dB 30 kHz – 30 MHz
Storage and Operating Temperature .....	-55 to +85 °C

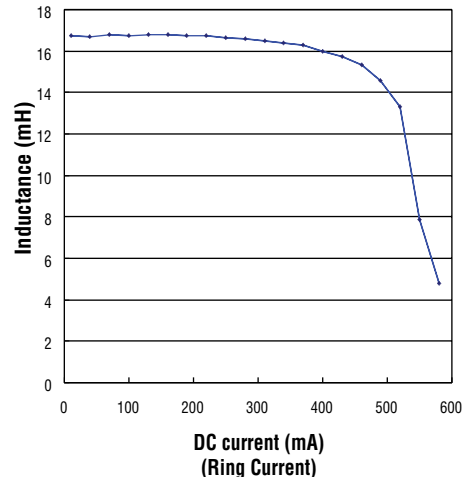
### How To Order

Stud Mount w/IDC ..... Part #3610V2-IDC

### Band Attenuation



### DC Bias Characteristics (Ring Current)



**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

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Specifications are subject to change without notice.

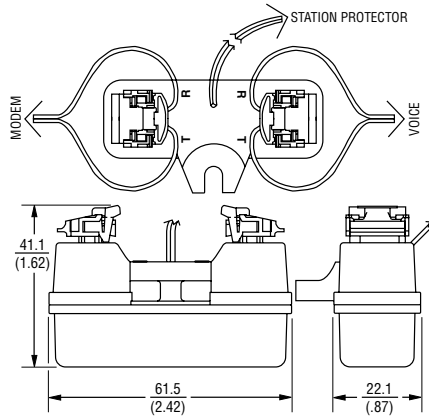
Users should verify actual device performance in their specific applications.

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# 3610V2-IDC VDSL2 POTS Splitters

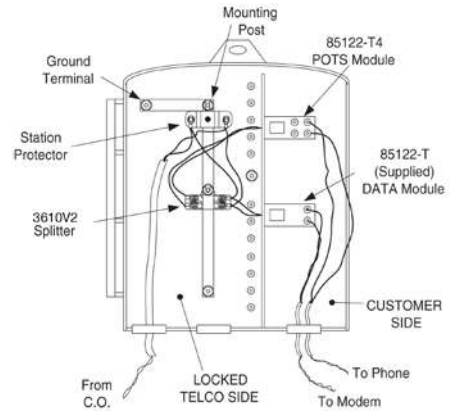
**BOURNS®**

## Product Dimensions



DIMENSIONS:  $\frac{\text{MILLIMETERS}}{\text{(INCHES)}}$

## Installation Diagram



REV. D 03/23

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