



## Features

- Optimized for video over ADSL2+ / VDSL2 applications
- Superior handling of ring trip currents up to 250 mA
- Service interoperability and compatibility
- Multiple “Home Run” connections



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

- Meets requirements of ITU G.992.3/5 and ANSI T1.413
- Listed per UL 1863 (File: E116756)
- Optional Insulation Displacement Connectors (IDC)

## 3610A2 Series ADSL2+ / VDSL2 POTS Splitters

The high quality Bourns® Model 3610A2 ADSL2+ / VDSL2 POTS splitters are designed to fit industry-standard Network Interface Devices (NIDs). These POTS splitters are optimized for high bit-rate video over ADSL2+ / VDSL2 applications. The series is ANSI T1.413 compliant, meets the requirements of ITU G.992.3 and G.992.5 and can be used in ADSL, ADSL2+, VDSL and VDSL2 applications. The Model 3610A2 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 Model 3610A2 POTS splitters in an industry standard footprint (binding post) which occupies only a single space in the NID. Fitted with screw terminals and flying leads, the 3610A2 units can be installed in minutes. When combined with a Bourns® Multi-Stage (MSP®) Station Protector, Sealed Switching Jack, and optional IDC expansion bridge, a complete ADSL2+ / VDSL2 solutions package is provided for the customer premises.

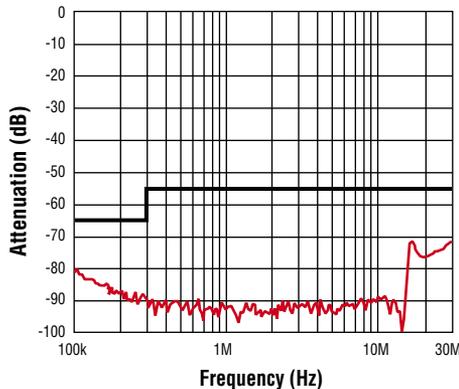
### Characteristics

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
ADSL Band Attenuation.....	>65 dB @30 kHz – 300 kHz >55 dB @301 kHz – 20 MHz
Tip to Ring Capacitance (POTS Port) .....	<115 nF
Input Impedance (Loading the ADSL Band).....	<0.25 dB 30 kHz – 30 MHz
Storage and Operating Temperature.....	-55 to +85 °C

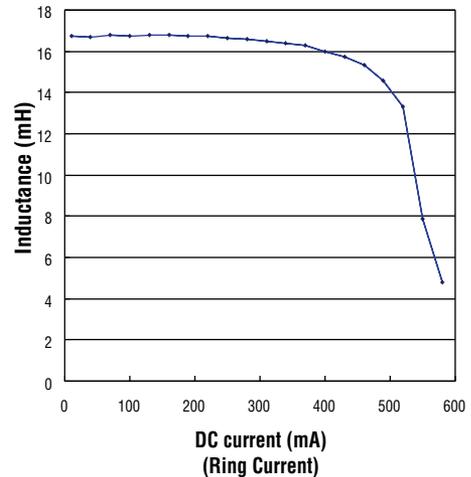
### How To Order

Stud Mount .....	Part #3610A2
Stud Mount w/IDC .....	Part #3610A2-IDC

### Band Attenuation



### Band Attenuation



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

“MSP” is a registered trademark of Bourns, Inc.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

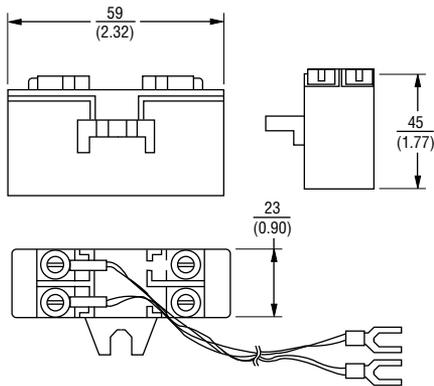
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# 3610A2 Series ADSL2+ / VDSL2 POTS Splitters

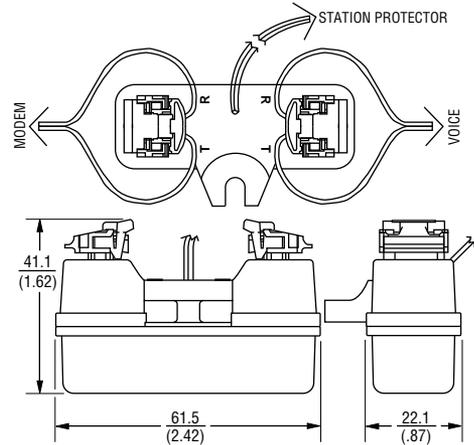
**BOURNS®**

## Product Dimensions

**3610A2**



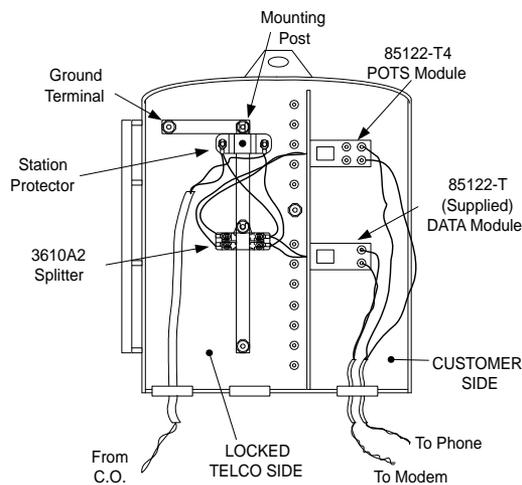
**3610A2-IDC**



DIMENSIONS: MILLIMETERS  
(INCHES)

## Installation Diagram

**3610A2 / 3610A2-IDC**



REV. H 03/23

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