

**NOTE: Only the Model 3612A2 is obsolete.**



**Features**

- Optimized for video over ADSL2+ / VDSL2 applications
- Superior handling of ring currents at 400 - 500 mA
- Service interoperability and compatibility
- Multiple "Home Run" connections
- Meets requirements of ITU G.992.3/5 and ANSI T1.413
- UL Listed per UL 1863
- Optional Insulation Displacement Connectors (IDC)

**3612A2 Series ADSL2+ / VDSL2 POTS Splitters**

The Bourns® 3612A2 are high quality ADSL2+ / VDSL2 POTS splitters designed to fit industry-standard Network Interface Devices (NIDs). The new POTS splitters are optimized for high bit-rate video over ADSL2+ / VDSL2 applications. The products are ANSI T1.413 compliant and meet the requirements of ITU G.992.3 and G.992.5 and can be used with ADSL, ADSL2+, VDSL and VDSL2. The 361xA2 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 ADSL2+ POTS splitter in three industry standard footprints (binding post, snap in and bus mount) which occupy only a single space in the NID. Fitted with screw terminals and flying leads, the 361xA2 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.

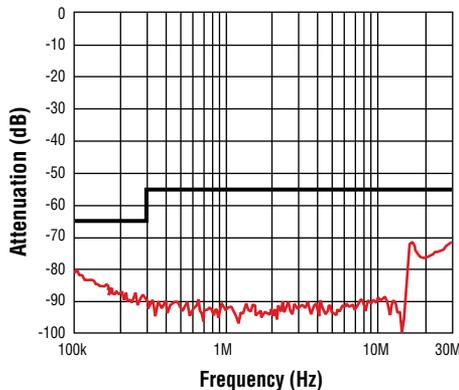
**Characteristics**

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

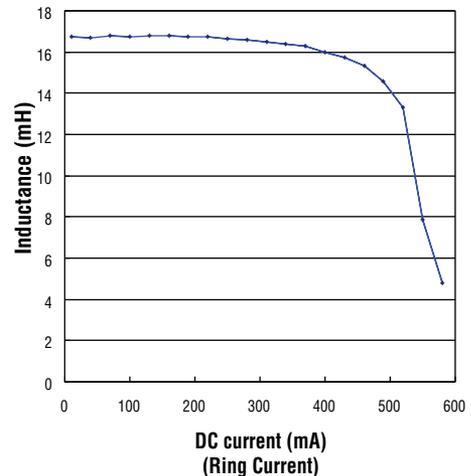
**How To Order**

Bus Mount ..... Part #3612A2

**Band Attenuation**



**Band Attenuation**



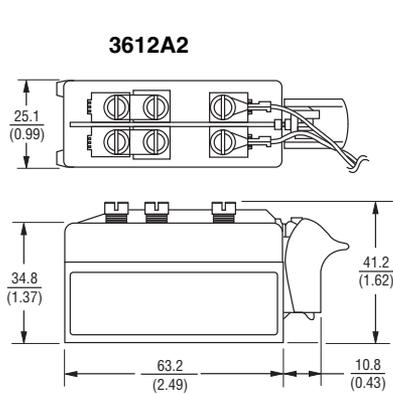
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The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

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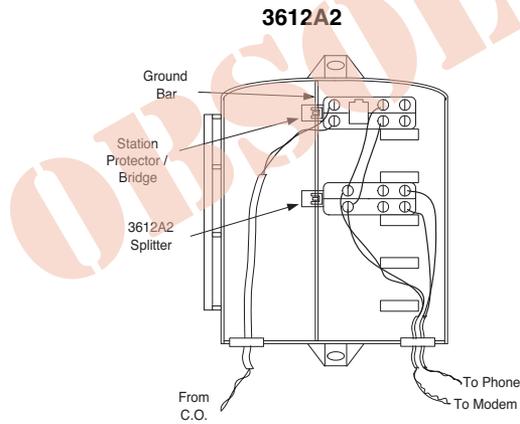
**BOURNS®**

## Product Dimensions



DIMENSIONS: MILLIMETERS  
(INCHES)

## Installation Diagrams



REV. F 04/15

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