NOTE: Only the Model 3612A2 is obsolete.

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 to 100 mA
- **DC Loop Voltage**: 0 to -60 V
- **DC Resistance**: ≤ 25 ohms
- **Insertion Loss (Voice Band)**: ≤ 0.5 dB
- **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
- **ADSL Band Attenuation**: > 65 dB @ 30 kHz – 300 kHz
- **Tip to Ring Capacitance (POTS Port)**: < 115 nF
- **Impedance 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

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Specifications are subject to change without notice.

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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