



Features

- Optimized for extended reach
- Fast and easy installation
- Service interoperability and compatibility with most existing NIDs
- UL Listed per 1863
- RoHS compliant*

Applications

- Twisted pair coax conversion
- HPNA
- Triple Play
- xDSL service extension on COAX

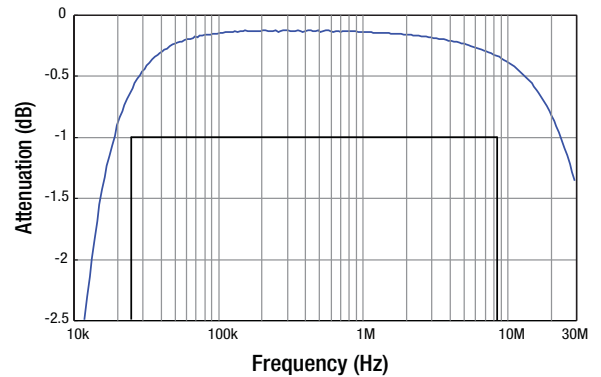
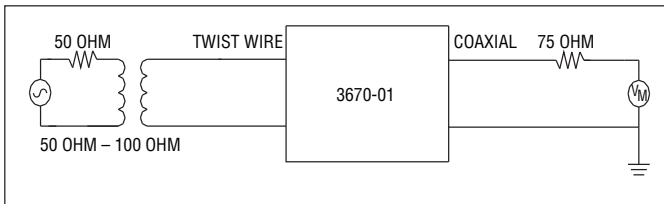
3670 Series Balance-Unbalance Adapter

Bourns® Model 3670-01 is a high quality impedance matching unit optimized to extend reach/reduce loss on ADSL2+ and VDSL2 circuits where conversion from twisted pair to existing coaxial cabling is required. The 3670-01 is configured with flying leads for connection of the twisted pair circuit so no new wires are required. Dual mounting flanges provide flexibility in installation.

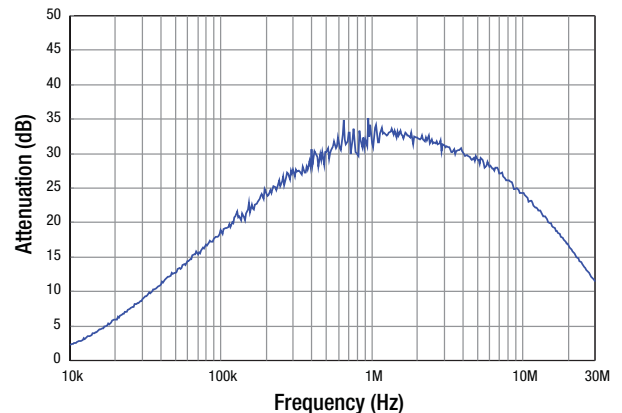
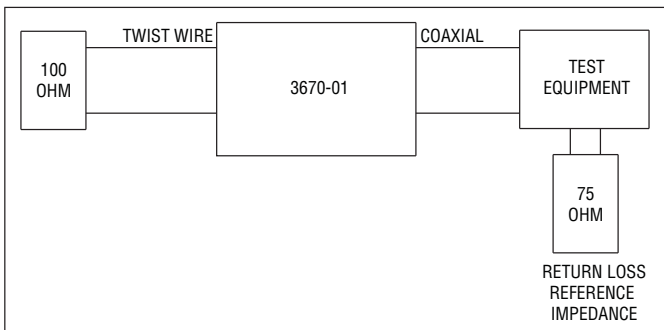
Characteristics

Twisted Wire Port Impedance.....	100 Ω
Coax Port Impedance.....	75 Ω
Withstanding Voltage.....	DC 330 V, 2 sec. (I _{co} =10 mA)
Insulation Resistance.....	>10 MΩ (DC 250 V)
Insertion Loss (typical).....	0.55 dB @ 25 kHz 0.13 dB @ 138 kHz 0.22 dB @ 3.75 MHz 0.28 dB @ 5.8 MHz 0.35 dB @ 8.5 MHz
Return Loss (Typical).....	7.83 dB @ 25 kHz 21.47 dB @ 138 kHz 29.49 dB @ 3.75 MHz 32.13 dB @ 5.8 MHz 31.92 dB @ 8.5 MHz

Insertion Loss



Return Loss



*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

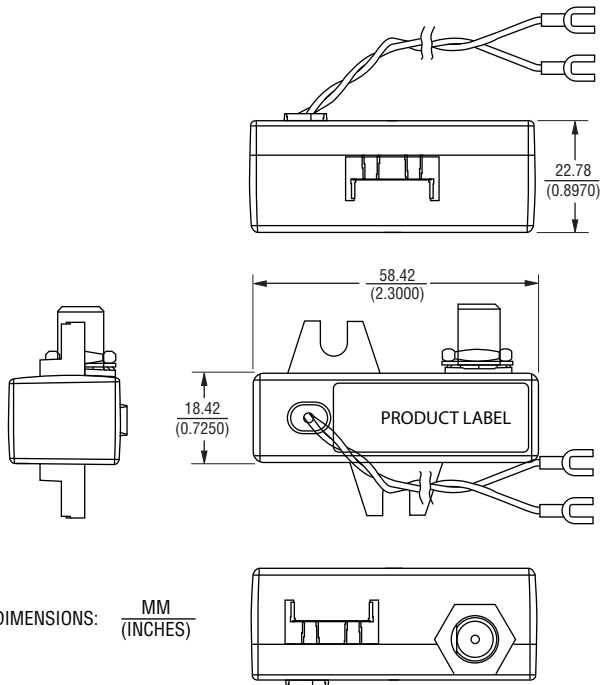
Specifications are subject to change without notice.

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.

3670 Series Balance-Unbalance Adapter

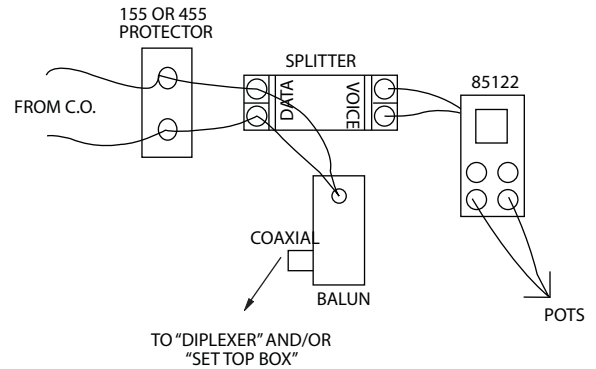
BOURNS®

Product Dimensions



Installation Diagram

Wiring Schematic for BALUN:
The BALUN is intended to be used in a UL listed NID enclosure. Circuit shows BALUN connected to "DATA" port of the splitter.



How to Order

Stud MountPart No. 3670-01, 50 units per carton

BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116

EMEA: Tel: +36 88 520 390 • Fax: +36 88 520 211

The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700

www.bourns.com

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