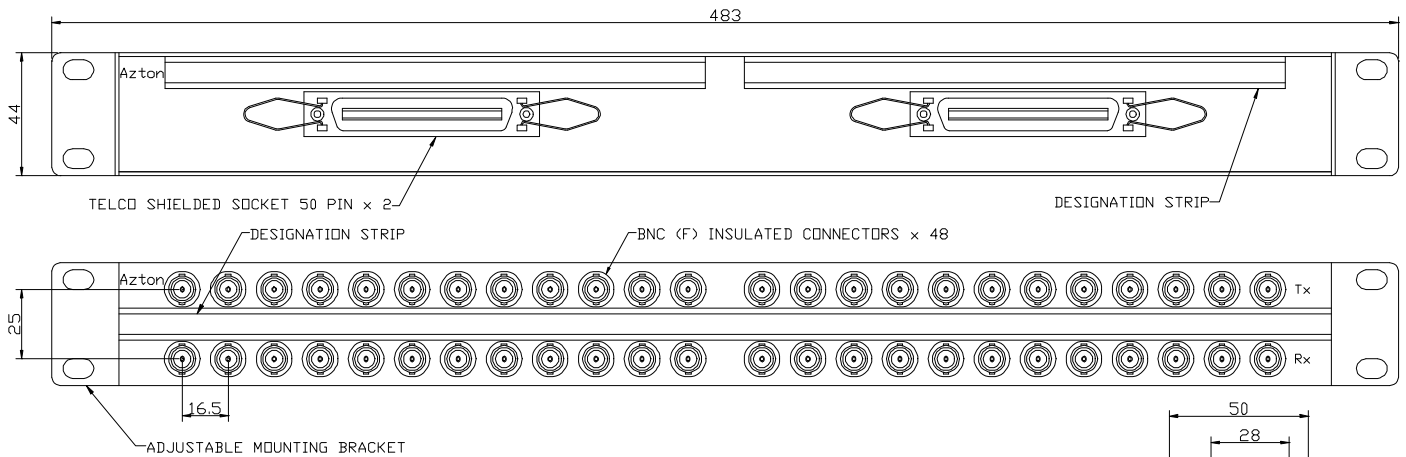


Balun Panel, 75/120W, 2-8Mbit/s, E1 & E2, Shielded 19" 1RU, 48xBNC (f) to 2xTELCO 50 Pin (f)



PRODUCT DESCRIPTION

This Balun Panel converts E1 and E2 G.703 signals from unbalanced 75Ω coaxial to balanced 120Ω twisted pair transmissions. A bi-directional device requiring no external power, it allows the user to connect telecommunications equipment with mismatched interfaces. This product offers the following features:-

- coax to twisted pair conversion
- 75Ω to 120Ω impedances
- mounts in standard 19" rack
- zinc sealed, powder coated steel
- genuine AMP Telco connector
- BNC (f) to Telco (AMP CHAMP)
- > 33dB return loss 0.3 to 3MHz
- mount coax or Telco to front
- > 1.25μm of gold plating on pin
- configuration options available
- exceeds G.703 requirements
- < 0.15dB E1 insertion loss
- mount recessed to ease cable entry
- teflon coaxial insulators
- long life, high reliability

OPERATING CONDITIONS

Matching Impedance: 75 ohm unbalanced coaxial to 120 ohm balanced twisted pair
 Bit Rate: 2Mbit/s (E1) and 8Mbit/s (E2) per ITU-T G.703 Line Code
 Signal Level: 2.37V nominal peak voltage at the coaxial end per G.703
 Working Temperature: -30°C to 75°C

ELECTRICAL SPECIFICATIONS

Insertion Loss: < 0.15dB from 51kHz to 3.072MHz (2Mbit/s, E1) and < 0.20dB from 211kHz to 12.673MHz (8Mbit/s, E2) in both directions
 Return Loss: Exceeds G.703 by > 13dB for 2Mbit/s and > 8dB for 8Mbit/s
 Pulse Shape: Exceeds G.703 requirements for 2Mbit/s and 8Mbit/s
 Cross Talk: > 65dB from 51kHz to 12.673MHz between channels (> 50dB for adjacent Telco contacts)
 Isolation Voltage: < 250V DC

MECHANICAL SPECIFICATIONS

Coaxial Connector: BNC female to IEC 169-8
 Body: Brass, Plated Cu/Ni5b
 Pin: Phosphor Bronze, Plated Cu/Ni5/Au1.25
 Insulator: Teflon
 Mating Cycles: 500min
 Telco Connector: Contacts: Copper Alloy, Plated Ni/Au
 Moulding: Thermoplastic, Black
 Shield: Die Cast, Plated Ni
 Panel: Steel, Zinc Sealed and Powder Coated Black
 Insulators: Polyethylene, Black

ACCESSORIES

Mounting Brackets: For 21" and 23" racks

