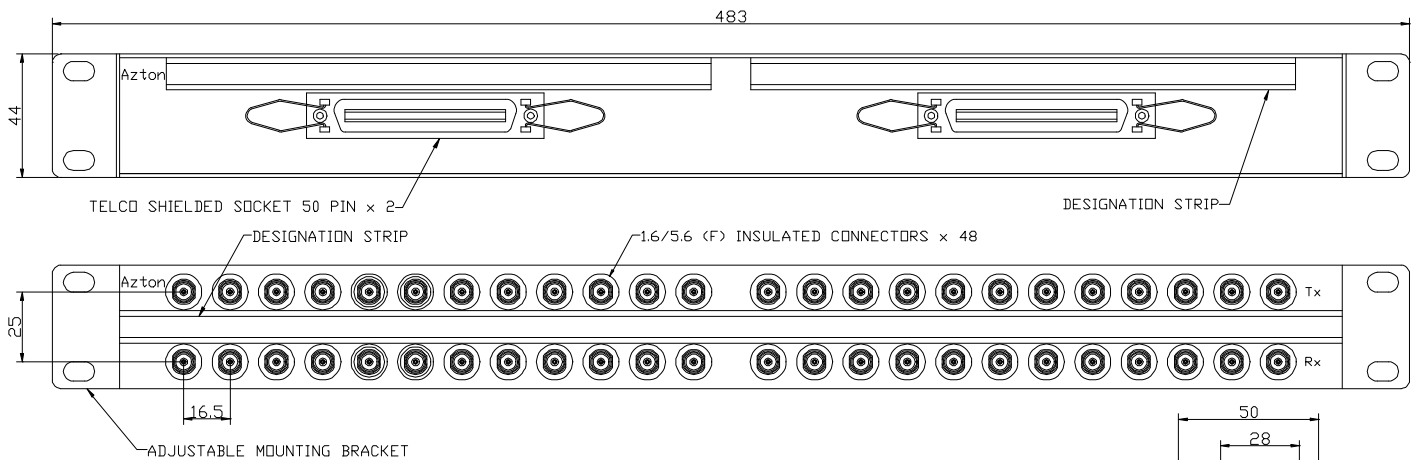


Balun Panel, 75/120W, 2-8Mbit/s, E1 & E2, Shielded 19" 1RU, 48x1.6/5.6 (f) to 2xTELCO 50 Pin (f)



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
- 1.6/5.6 (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: 1.6/5.6 female to IEC 169-13
 Body: Brass, Plated Cu/Ni5/Au0.8
 Pin: Beryllium Copper, 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

