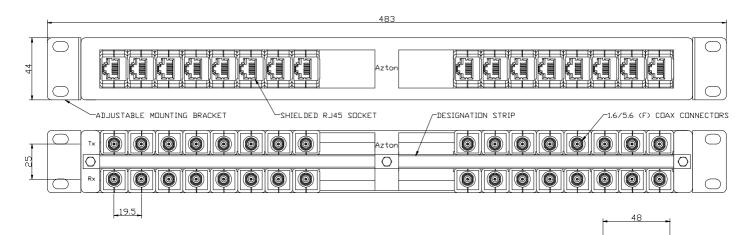
Modular Balun Panel, 75/120W, 2-8Mbit/s, E1 & E2, Shielded 19" 1RU, 32x1.6/5.6 (f) to 16xRJ45 (f)



PRODUCT DESCRIPTION

This rack mounting Balun Panel converts 16 G.703 E1 or E2 Tx and Rx pairs from unbalanced 75Ω coaxial to balanced 120Ω twisted pair transmissions. A bi-directional device requiring no external power, it connects telecommunications equipment with mismatched interfaces or facilitates the conversion from coaxial to twisted pair

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distribution wiring. Modular construction allows the user to hot swap modules for other bit rates, functions or interfaces. In addition this product offers the following features:-

- coax to twisted pair conversion
- hot swap modules
- > 33dB return loss 0.3 to 3MHz
- exceeds G.703 requirements
- shielded construction
- 1.6/5.6 (f) to shielded RJ45
- mix module function and interface
- < 0.15dB E1 insertion loss
- 75 Ω to 120 Ω impedances
- designed for long life
- converts 16 E1/E2 channels
- 2 and 8Mbit/s data rates
- > 70dB cross talk
- uses Azton D10BB05 dual balun
- built for 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, É2) in both directions ess: Exceeds G.703 requirements by > 13dB for 2Mbit/s and > 8dB for 8Mbit/s

Return Loss: Exceeds G.703 requirements by > 13dB for 2Mbit/s a
Pulse Shape: Exceeds G.703 requirements for 2Mbit/s and 8Mbit/s
Cross Talk: > 70dB from 51kHz to 12.673MHz between channels

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

RJ45 Connector: Contacts: Phosphor Bronze, Plated Ni/Au

Moulding: PBT Glass Filled, Black

Shield: Brass, Plated Sn

ABS-PC, Black

Panel: Steel, Zinc Sealed and Powder Coated Black

ACCESSORIES

Mouldings:

Mounting Brackets: For 21" and 23" racks

Dual Balun Modules: For alternative coax connectors or bit rates

