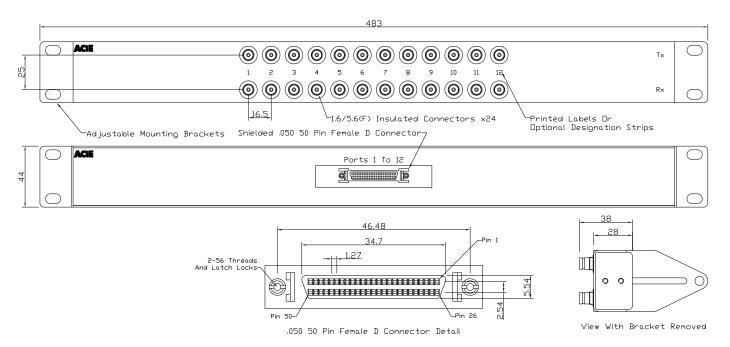


# Balun Panel, Shielded, 19" 1RU 1.6/5.6(f) x24 to 50 Pin Amplimite(f) 75/120 , 2-8Mbit/s

# M1300321A1



### PRODUCT DESCRIPTION

This Balun Panel converts E1 and E2 G.703 signals from unbalanced 75 coaxial to balanced 120 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:-

- 75 to 120 impedances
- exceeds G.703 requirements
- mounts in standard 19" rack
- teflon coaxial insulators
- coax to twisted pair conversion 1.6/5.6(f) to Amplimite connector
  - >33dB return loss 0.3 to 3MHz
  - mount coax or 50 pin D to front
  - · gold plated connector pins
  - optional designation strips
- · RoHS compliant
- <0.15dB E1 insertion loss</li>
- mount recessed to ease cable entry
- · zinc sealed, powder coated steel
- .050 50way mini Telco option available

#### **OPERATING CONDITIONS**

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

Working Temperature:

### **ELECTRICAL SPECIFICATIONS**

Insertion Loss: <0.15dB from 51kHz to 3.072MHz (2Mbit/s, E1) and

<0.20dB from 211kHz to 12.672MHz (8Mbit/s, E2) in both directions

Exceeds G.703 by >13dB for 2Mbit/s and >8dB for 8Mbit/s Return Loss: Pulse Shape: Exceeds G.703 requirements for 2Mbit/s and 8Mbit/s Cross Talk: >65dB from 51kHz to 12.672MHz between channels

(>50dB for adjacent .050 50 pin D connector contacts)

Isolation Voltage: >250V DC

## **MECHANICAL SPECIFICATIONS**

Coaxial Connector: 1.6/5.6 female to IEC 169-13

Body: Brass, Plated Cu/Ni/Au Pin: Beryllium Copper, Plated Cu/Ni/Au

Insulator: Teflon

Mating Cycles: 500min

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

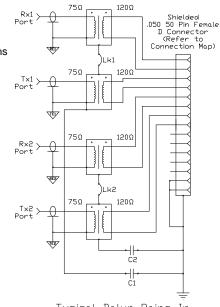
Moulding: Thermoplastic, Black Shield: Steel, Nickel Plated

Panel: Steel, Zinc Sealed and Powder Coated Black

Panel Insulators: Thermpolastic, Black

## **ACCESSORIES**

Mounting Brackets: For 21" and 23" racks Cable Management Kits: For 19", 21" and 23" rack



Typical Balun Pairs In 50 Pin D Connector