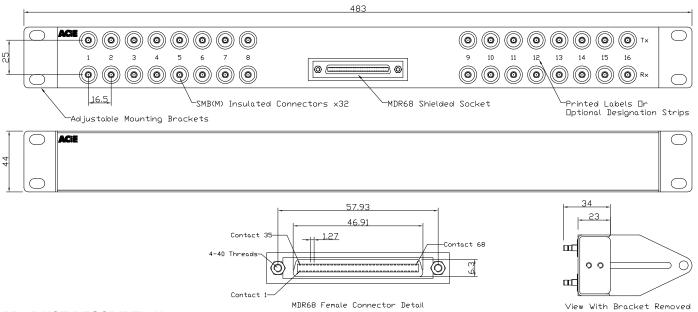
Balun Panel, Shielded, 19" 1RU SMB(m) x32 to MDR68(f) 75/120 , 2-8Mbit/s

M1308331M2



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:-

- coax to twisted pair conversion
- 75 to 120 impedances
- mounts in standard 19" rack
- zinc sealed, powder coated steel gold plated contacts
- exceeds G.703 requirements
- SMB(m) to MDR68(f) (Mini Centronics)
- >33dB return loss 0.3 to 3MHz
- mount recessed to ease cable entry
- ETSI and 23" brackets available
- RoHS compliant
- <0.15dB E1 insertion loss
- single sided cable access
- teflon coaxial insulators
- optional designation strips

OPERATING CONDITIONS

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

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 12.672MHz (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 MDR68 connector contacts)

Isolation Voltage: >250V DC

MECHANICAL SPECIFICATIONS

Coaxial Connector: SMB male to IEC 169-29

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

Insulator: Teflon Mating Cycles: 500min

MDR68 Connector (SCSI): Contacts: Phosphor Bronze, Plated Ni/Au

Moulding: Thermoplastic, Black Shell: Steel, Plated Ni Housing: Die Cast, Plated Ni

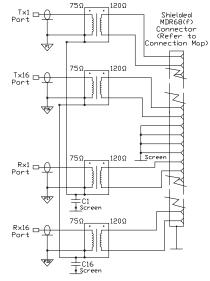
Panel: Steel, Zinc Sealed and Powder Coated Black

Panel Insulators: Thermoplastic, Black

ACCESSORIES

MDR68(m) to MDR68(m) on shielded 34 pair cable Cable Assemblies:

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



Balun Circuit For MDR68