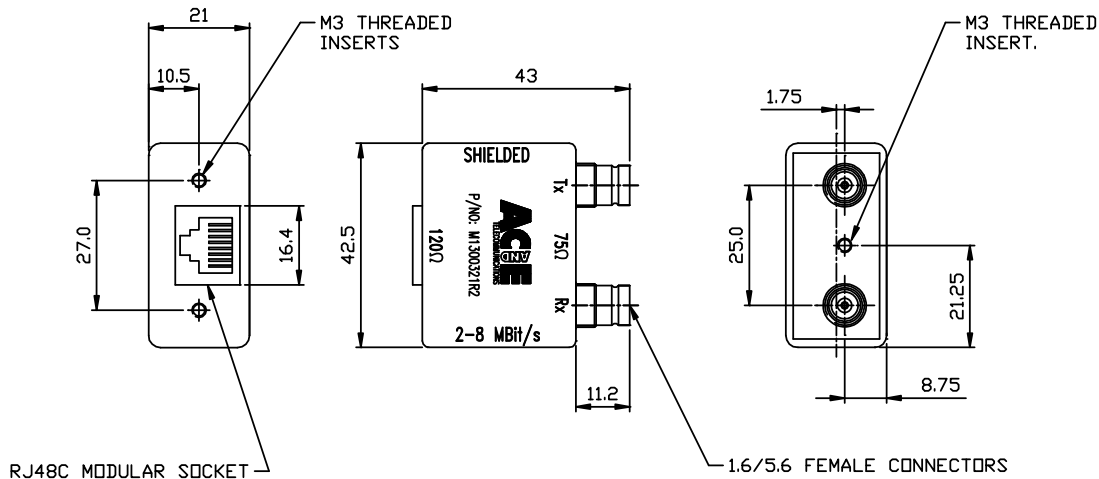


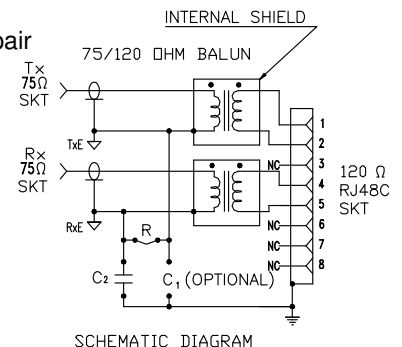
**DUAL BALUN SHIELDED**  
**1.6/5.6 (F) x 2 TO RJ45 (F)**  
**75-120 Ω, - 8 Mbit/s**

**M1300321R2**



**ELECTRICAL**

Matching Impedance: 75 ohm unbalanced coaxial to 120 ohm balanced twisted pair  
 Bit Rates: 2Mbit/s and 8Mbit/s as per G.703  
 Return Loss: 2Mbit/s exceeds G.703 (>25dB from 52 kHz ~ 3072 kHz) and 8Mbit/s as per G.703 requirements  
 Insertion Loss: <0.16dB for 2Mbit/s service (51kHz to 3072kHz) <0.3dB for 8Mbit/s service (211kHz to 12.672MHz)  
 Cross Talk: >60dB from 51kHz to 12.672MHz between two channels  
 Pulse Shape: 2Mbit/s and 8Mbit/s as per G.703  
 Isolation Voltage: 250V DC between input and output  
 Signal Levels: 2.37V nominal peak voltage at 2Mbit/s and 8Mbit/s at the coaxial end as per G.703  
 EMC: EN50082-2 (CISPR 22) Class A for radiated emissions with UTP cable



SCHEMATIC DIAGRAM

NOTE:  
 (OPTIONAL EARTHING CONFIGURATION WITH R, C1 & C2)

**MATERIALS**

Enclosure: High Impact Polystyrol. Colour Grey  
 Coax Connector Outer Contact: Brass Alloy AS 1567 Type 385. Finish Cu/Ni1.25/Au0.8  
 Coax Connector Body: Brass Alloy AS 1567 Type 385. Finish Cu/Ni5/Au Flash  
 Coax Connector Insulator: PTFE  
 Coax Connector Inner Contact: Beryllium Copper. Finish Cu/Ni1.25/Au0.8  
 RJ45 Housing: PBT Glass Filled, Black  
 RJ45 Contacts: Phosphor Bronze. Finish Ni/Au  
 RJ45 Shield: Bronze. Finish Ni

**COAXIAL CONNECTOR (75 ohm)**

1.6/5.6 Series: To IEC 169-13.

**RJ45 CONNECTOR**

Type: Shielded, 8 Position, 8 Contacts

**ENVIRONMENTAL**

Working Temperature: -30 °C to +75 °C

**MOUNTING OPTIONS**

- To Panel (Use M3x8mm screws, not supplied)
- To Flat Surface (Use double sided tape supplied).

