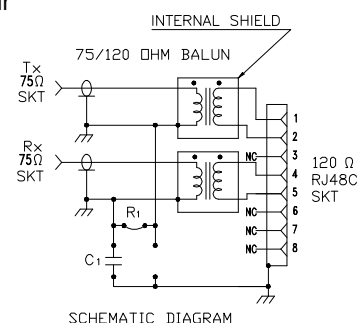


### ELECTRICAL

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



### MATERIALS

Enclosure: High Impact Polystyrol. Colour Grey  
 Coax Connector Outer Contact/Body: Brass Alloy AS 1567 Type 385. Finish Cu/Ni5b  
 Coax Connector Insulator: PTFE  
 Coax Connector Inner Contact: Phosphor Bronze. Finish Cu/Ni1.25/Au1.25  
 RJ45 Housing: PBT Glass Filled, Black  
 RJ45 Contacts: Phosphor Bronze. Finish Ni/Au  
 RJ45 Shield: Bronze. Finish Ni

### COAXIAL CONNECTOR (75 ohm)

BNC Series: To IEC 169-8.

### RJ45 CONNECTOR

Type: Shielded, 8 Position, 8 Contacts

### ENVIRONMENTAL

Working Temperature: -30 °C to 75 °C

### MOUNTING OPTIONS

Double sided tape is provided to allow mounting onto any clean dry surface.

