



**ELECTRICAL**

Matching Impedance: 75 unbalanced coaxial to 120 balanced twisted pair  
 Bit Rates: 2Mbit/s and 8Mbit/s as G.703 Line Code  
 Return Loss: 2Mbit/s and 8Mbit/s exceeds G.703 requirements  
 (in both directions) (>25dB from 51kHz - 3072kHz)  
 Insertion Loss: <0.2dB from 51kHz to 3072kHz and <0.3dB from 211kHz to 12.672MHz in both directions  
 Cross Talk: >65dB from 51kHz to 12.672MHz  
 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

**MATERIALS**

Panel: Steel zinc coated, powder coated black  
 Coax Connector Outer Contact: Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Au  
 Coax Connector Insulator: PTFE  
 Coax Connector Inner Contact: Beryllium Copper. Finish Cu/Ni/Au  
 Panel Insulator: Thermoplastic, Black  
 RJ45 Housing: PBT Glass Filled, Black  
 RJ45 Contacts: Phosphor Bronze. Finish Ni/Au  
 RJ45 Shield: Brass. Finish Sn

**COAXIAL CONNECTOR (75 )**

1.0/2.3 Series: To IEC169-29

**RJ45 CONNECTOR**

Type: Shielded, 8 Position, 8 Contact

**ENVIRONMENTAL**

Working Temperature: -30°C to 75°C  
 RoHS Compliance: To EU Directive 2011/65/EU

**MOUNTING OPTIONS**

Mounting brackets are adjustable to allow the panel to be recessed up to 40mm. Optional brackets for mounting in ETSI and 23" racks are available.

