

ELECTRICAL

Matching Impedance: 75 ohm unbalanced coaxial to 120 ohm balanced twisted pair.
 Bit Rates: 2Mbit/s and 8Mbit/s as ITU-T Recommendation G.703 Line Code.
 Return Loss: 2Mbit/s exceeds G.703 requirements (>25dB @ 51 ~ 3072kHz)
 8Mbit/s as per G.703 requirements.
 Insertion Loss: <0.16dB for 2 Mbit/s service (51 ~ 3072kHz)
 <0.3dB for 8Mbit/s service (211kHz ~ 12.672MHz)
 Cross Talk: >80dB from 51kHz to 12.672MHz between 2 baluns mounted 20mm apart.
 Pulse Shape: 2Mbit/s and 8Mbit/s as per G.703
 Isolation Voltage: 250V DC for 1 minute between windings.
 Signal Levels: 2.37V nominal peak voltage for 2Mbit/s and 8Mbit/s at the coaxial end as per G.703

MATERIALS

Coax Connector Outer Contact: Brass. Finish Cu/Ni/Au
 Coax Connector Body: Brass. Finish Cu/Ni
 Coax Connector Insulator: PTFE
 Coax Connector Inner Contact: CuBe. Finish Cu/Ni/Au
 Balun Body & Rear Tube: Brass Alloy AS 1567 Type 385. Finish Cu/Ni5b
 Grounding Rings: Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Sn
 IDC Contacts: CuSn6. Finish Sn5
 IDC Moulding & Stuffer Cap: Liquid Crystal Polymer

COAXIAL CONNECTOR (75 ohm)

BNC Series: To IEC 169-8.

IDC CONTACTS

Wire Size: 0.32mm to 0.4mm conductor diameter, STP or UTP
 Insulation diameter range 0.7mm to 1.5mm.

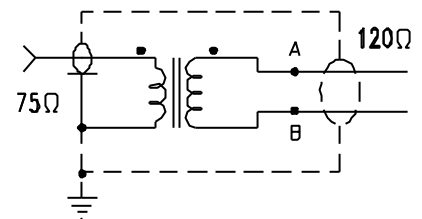
Mating Cycles: 20

ENVIRONMENTAL

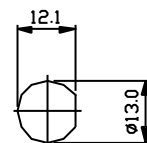
Working Temperature: -30 °C to 75 °C

TERMINATION

IDC Termination: Spanners 10mm A/F 2 off



SCHMATIC DIAGRAM



PANEL MOUNTING DIMENSIONS
 SCALE 1:1