



ELECTRICAL

- Matching Impedance: 75 ohm unbalanced coaxial to 120 ohm balanced twisted pair.
- Bit Rates: 2 Mbit/s and 8Mbit/s as ITU-T Recommendation G.703 Line Code.
- Return Loss: 2 Mbit/s exceeds G.703 requirements ($>25\text{dB}$ @ 51 ~ 3072 kHz)
8 Mbit/s as per G.703 requirements.
- Insertion Loss: $<0.16\text{dB}$ for 2 Mbit/s service (51 ~ 3072 kHz)
 $<0.3\text{dB}$ for 8 Mbit/s service (211 kHz ~ 12.672 MHz)
- Cross Talk: $>80\text{dB}$ from 51 kHz to 12.672 MHz between 2 baluns mounted 20mm apart.
- Pulse Shape: 2 Mbit/s and 8 Mbit/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

- Outer Contact: Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Au
- Insulator: PTFE
- Inner Contact: Beryllium Copper. Finish Cu/Ni/Au
- Body and Nut: Brass Alloy AS 1567 Type 385. Finish Body Cu/Ni/Sn, Nut Cu/Ni
- Rear Moulding: Acetel Black
- Pin, Wire Wrap: Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Sn

COAXIAL CONNECTOR (75 ohm)

1.6/5.6 Series: IEC 169-13.

WIRE WRAP CONTACTS

- Post Dimensions: 1.16mm. SQ.
- Finish: Tin plated

ENVIRONMENTAL

Working Temperature: $-30\text{ }^{\circ}\text{C}$ to $75\text{ }^{\circ}\text{C}$

