

ELECTRICAL

Matching Impedance: 75 unbalanced coaxial to 120 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 15mm 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

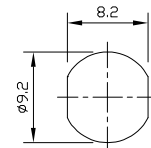
Coax Connector Outer Contact:	Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Au
Coax Connector Nut:	Brass Alloy AS 1567 Type 385. Finish Cu/Ni
Coax Connector Insulator:	PTFE
Coax Connector Inner Contact:	Beryllium Copper. Finish Cu/Ni/Au
Balun Body:	Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Sn
Outer Sleeve and Base Moulding:	Noryl Black
IDC Moulding:	Polycarbonate White

COAXIAL CONNECTOR (75)

1.6/5.6 Series: To IEC 169-13
 Mating Cycles: 500

IDC CONTACTS

Wire Size: 0.4mm to 0.65mm conductor diameter
 Insulation diameter 0.7mm to 1.4mm
 Finish: Tin plated
 Mating Cycles: 50



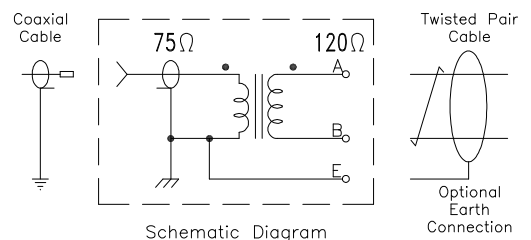
Punch Detail

ENVIRONMENTAL

Working Temperature: -10°C to 75°C
 RoHS Compliance: To EU Directive 2011/65/EU

TERMINATION

IDC Termination: Krone Terminating Tool



Schematic Diagram