

**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                                   |
| Wire Wrap Pin:                  | Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Sn |

**COAXIAL CONNECTOR (75 )**

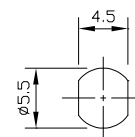
1.0/2.3 Series: To IEC 169-29  
 Mating Cycles: 500

**WIRE WRAP CONTACTS**

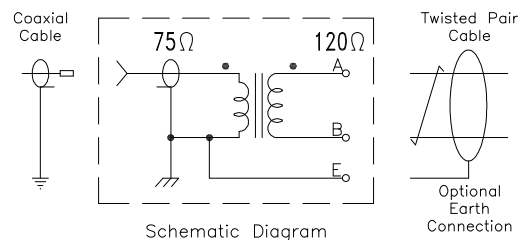
Post Dimensions: 1.14mm Square

**ENVIRONMENTAL**

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



Punch Detail



Schematic Diagram