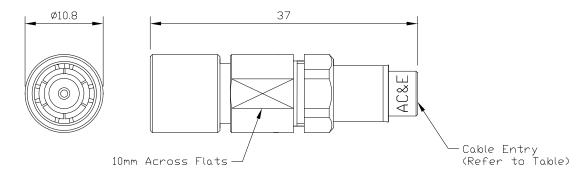


Balun Mini, 1.6/5.6(m) 75/120 , 2-8-34Mbit/s In-Line, Snap On

B04001060 B04001065



ELECTRICAL

Matching Impedance: 75 unbalanced coaxial to 120 balanced twisted pair

Bit Rates: 2Mbit/s, 8Mbit/s and 34Mbit/s as ITU-T Recommendation G.703 Line Code

Return Loss: 2Mbit/s, 8Mbit/s and 34Mbit/s as per G.703 requirements

Insertion Loss: <0.9dB from 51kHz to 51.55MHz

Cross Talk: >60dB from 51kHz to 51.55MHz between 2 baluns mounted 15mm apart

Pulse Shape: 2Mbit/s, 8Mbit/s and 34Mbit/s as per G.703

Signal Levels: 2.37V nominal peak voltage for 2Mbit/s and 8Mbit/s at the coaxial end

1V nominal peak voltage for 34Mbit/s at the coaxial end as per G.703

Isolation Voltage: 250VDC for 1 minute between windings

Pulse Test: 3kV as per ITU-T, K.17

EMC: CISPR 22 Class B for radiated emissions, also AS/NZS 3548 1995

MATERIALS

Coax Connector Outer Contact: CuBe. Finish Cu/Ni/Au

Coax Connector Body: Brass Alloy AS 1567 Type 385. Finish Cu/Ni

Coax Connector Insulator: PTFE

Coax Connector Inner Contact:Brass Alloy AS 1567 Type 385. Finish Cu/Ni/AuRear Tube:Brass Alloy AS 1567 Type 385. Finish Cu/NiGrounding Ring:Brass Alloy AS 1567 Type 385. Finish Cu/Ni/SnIDC Contacts:CuSn6. Finish Sn -(φ0.25~φ0.40 conductors)

Sn/Au -(ϕ 0.50~ ϕ 0.65 conductors)

IDC Moulding & Stuffer Cap: Liquid Crystal Polymer, UL 94 V-0

COAXIAL CONNECTOR (75)

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

TWISTED PAIR CABLE DETAILS

Part Number	Cable Wire Size	Cable Entry Diameter
B04 001 060 *	0.5mm (AWG 24) to 0.65mm (AWG 22) conductor diameter, STP or UTP Insulation diameter from 0.7mm to 1.5mm.	4.9mm Min. **
B04 001 065 *	0.25mm (AWG 30) to 0.4mm (AWG 26) conductor diameter, STP or UTP Insulation diameter from 0.7mm to 1.5mm	2.6mm Min. **

^{*} The correct selection of the balun to match the cable conductor size is imperative to the reliability of the product.

IDC Mating Cycles: 20

ENVIRONMENTAL

Working Temperature: -30°C to 75°C

RoHS Compliance: To EU Directive 2011/65/EU

TERMINATION

IDC Termination: Spanners, 10mm A/F, 2 off

^{**} Custom cable size available upon request.