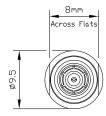
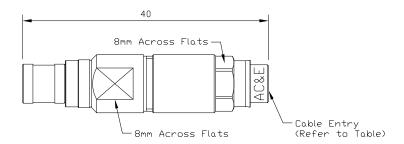


Balun Mini, SMB(f) 75/120 , 2-8-34Mbit/s Snap-On

B04078070 B04078075





ELECTRICAL

Matching Impedance: 75 unbalanced coaxial to 120 balanced twisted pair

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

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

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

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

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

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

250VDC for 1 minute between windings Isolation Voltage:

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

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

MATERIALS

Coax Connector Outer Contact: Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Au

Outer Contact Snap Ring: Beryllium Copper

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

Coax Connector Insulator:

Coax Connector Inner Contact: Beryllium Copper. Finish Cu/Ni/Au

Balun Body & Rear Tube: Brass Alloy AS 1567 Type 385. Finish Cu/Ni Grounding Ring: Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Sn -(φ0.25~φ0.40 conductors) **IDC Contacts:** CuSn6. Finish Sn

Sn/Au -($\dot{\phi}0.50\sim\dot{\phi}0.65$ conductors)

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

COAXIAL CONNECTOR (75)

IEC 169-10 SMB Series:

Mating Cycles: 500

TWISTED PAIR CABLE DETAILS

Part Number	Cable Wire Size	Cable Entry Diameter
B04 078 070 *	0.5mm (AWG 24) to 0.65mm (AWG 22) conductor diameter, STP or UTP	4.9mm Min. **
	Insulation diameter from 0.7mm to 1.5mm.	
B04 078 075 *	0.25mm (AWG 30) to 0.4mm (AWG 26) conductor diameter, STP or UTP	2.6mm Min. **
	Insulation diameter from 0.7mm to 1.5mm	

^{*} 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, 8mm A/F 2 off

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