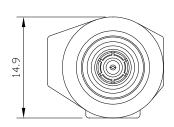
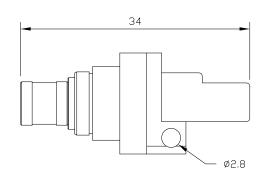
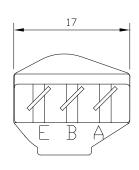


## Balun SMB(f) to 3 Pole IDC 75/120 , 2-45Mbit/s In-Line, Snap-On

## B04078010L







**ELECTRICAL** 

Matching Impedance: 75 unbalanced coaxial to 120 balanced twisted pair

Bit Rates: From 2Mbit/s up to 45Mbit/s as ITU-T Recommendation G.703 Line Code

Return Loss: >10dB in the frequency range of 51~102kHz >15dB in the frequency range of 1~70MHz

Insertion Loss: <0.5dB @ 1MHz; <0.4dB @ 4MHz; <0.6dB @ 17MHz

<0.9dB in the range of 0.2~70MHz

Cross Talk: >60dB in the range of 1.0~70MHz between 2 baluns mounted on DDF strip

Pulse Shape: 2Mbit/s, 8Mbit/s, 34MHz and 45MHz as per G.703

Signal Levels: 2.37V nominal peak voltage for 2Mbit/s and 8Mbit/s at the coaxial end as per G.703

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

45Mbit/s conforms to its interface pulse mask in G.703

**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: 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)** 

SMB Series: To IEC 169-10

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

**ENVIRONMENTAL** 

Working Temperature: -10°C to 75°C

RoHS Compliance: To EU Directive 2011/65/EU

**TERMINATION** 

IDC Termination: Krone Terminating Tool

