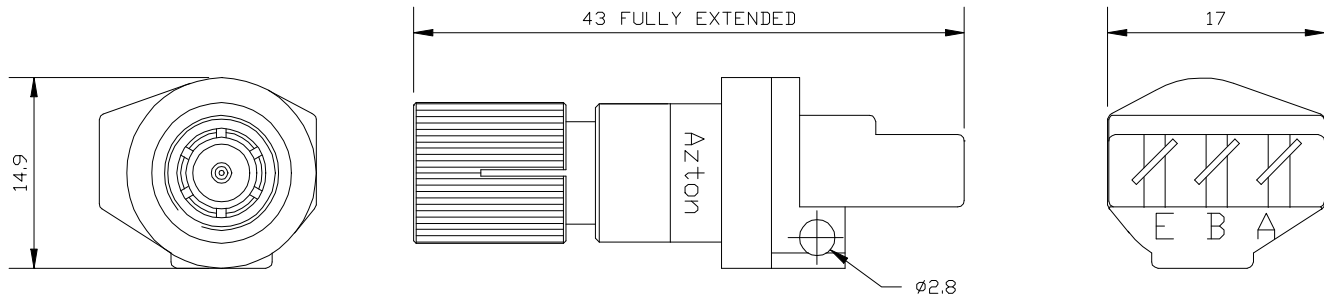


## Balun, 75/120W, 2-8Mbit/s, E1 & E2 1.6/5.6 (m) Screw Coupling to 3 Pole IDC

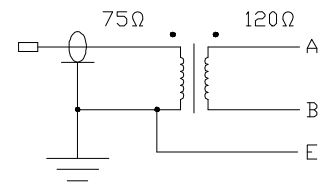


### OPERATING CONDITIONS

Matching Impedance: 75 ohm unbalanced coaxial to 120 ohm balanced twisted pair  
 Bit Rate: 2Mbit/s (E1) and 8Mbit/s (E2) per ITU-T G.703 Line Code  
 Signal Level: 2.37V nominal peak voltage at the coaxial end per G.703  
 Working Temperature: -30°C to 75°C

### ELECTRICAL SPECIFICATIONS

Insertion Loss: < 0.15dB from 51kHz to 3.072MHz (E1) and  
 < 0.20dB from 211kHz to 12.673MHz (E2) in both directions  
 Return Loss: Exceeds G.703 requirements in both directions  
 > 26dB from 51kHz to 3.072MHz (E1) and  
 > 26dB from 211kHz to 12.673MHz (E2)  
 Pulse Shape: Exceeds G.703 requirements for 2Mbit/s and 8Mbit/s  
 Cross Talk: > 70dB from 51kHz to 12.673MHz, 2 baluns 20mm apart  
 Isolation Voltage: > 250V DC for 1 minute



### MECHANICAL SPECIFICATIONS

Coaxial Connector: 1.6/5.6 male to IEC 169-13  
 Body: Brass, Plated Cu/Ni5 and Cu/Ni2/Sn5  
 Slotted Contact: Beryllium Copper, Plated Cu/Ni5/Au0.8  
 Pin: Brass, Plated Cu/Ni5/Au1.25  
 Insulator: Teflon  
 Mating Cycles: 500min  
 IDC Connector: Wire: Conductor  $\varnothing$  0.4 to 0.65mm, Insulation  $\varnothing$  0.7 to 1.4mm  
 Contacts: Silver Plated  
 Moulding: Polyester White  
 Mating Cycles: 50min  
 Mouldings: Noryl Black

### TERMINATION

IDC: Krone Connection Tool 6089 2 003-00 or 6417 2 055-01