

G.703 Coax to RJ45 Single Path Balun Adaptor



Description

These 75/120 ohm Balun Adaptors provide a low cost solution for connecting from a balanced twisted pair interface to an unbalanced coax one. The Balun Adaptors provide isolation protection and impedance matching, enabling 75 ohm coaxial networks to interface with 120 ohm twisted pair equipment, bi-directionally, matching signal impedance and pulse shapes in accordance with the G.703 standard. Suitable for 2-8Mbit/s E1/T1 and E2/T2 data streams.

Features and Benefits

- Bi-Directional
- Plug & Go
- G.703 Compliant
- Low Insertion Loss
- No AC Power or Batteries Required
- 100% Tested

Specifications

| | |
|-----------------------|---|
| 75 ohm Connections | BNC Jack |
| 120 ohm Connections | Shielded RJ45 |
| Transmission Line | CCITT G.703 or G.704 (transparent) |
| Speed | 2.048Mbit/s (E1) and 8.448Mbit/s (E2) |
| Insertion Loss | Maximum 0.2dB at 2Mbit/s, 0.3dB at 8Mbit/s |
| Return Loss | -29dB at 2Mbit/s, -21dB at 8Mbit/s |
| Dimensions | 36.0mm x 24.2mm 21mm |
| Earthing - Grounding | BNC Ring to RJ45 / RJ48 Shield, via 0.1µF capacitor |
| Wiring Scheme | 4 - Tip, 5 - Ring |
| Materials | Case - ABS UL-94V0 Fire retardant Plastic |
| Weight | <0.1Kg |
| Warranty | 5 Years, Parts and Labour |
| MTBF | Estimated 30 Years |
| Operating Temperature | 0° to 50° C |
| Power Requirements | None |
| Harmonisation Code | 8544 - 42 - 10 |

| Part Numbers | Description |
|--------------|---------------------------------------|
| TK703BA-SP | Single Path BNC to RJ45 Balun Adaptor |