



## E1 - E2 Dual Coax to RJ45 Baluns



### Description

These Transmit and Receive Balun Adaptors provide a low cost solution for connecting a balanced 120 ohm twisted pair interface to an unbalanced 75 ohm coax network, or, vice versa. 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.

[Click Here](#) to see Panel Mount Version.

[Click Here](#) to see Modular Version.

### 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	Dual BNC (Male or Female), 1.6/5.6 or Type43
120 ohm Connections	Shielded RJ45
Transmission Line	CCITT G.703 or G.704 (transparent)
Speed	2.048Mbit/s (E1) and 8.448Mbit/s (E2)
Cross Talk	Better than -60dB at 1 to 10Mhz
Insertion Loss	Less than 0.35dB
Return Loss	Better than 20dB
Earthing - Grounding	Tx and Rx Ring to RJ45 Shield, via 0.1µF capacitor
Dimensions	21.5 W x 62 D x 43mm H (0.85"x2.6"x1.65")
Wiring Scheme	1 - Tx Tip, 2 - Tx Ring, 4 - Rx Tip, 5 - Rx 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-1656	Dual 1.6/5.6 to RJ45 Balun Adaptor
TK703BA-BNCF	Dual Female BNC to RJ45 Balun Adaptor
TK703BA-BNCF-PM	Dual Female BNC to RJ45 Balun Adaptor (Panel Mount)
TK703BA-BNCM	Dual Male BNC to RJ45 Balun Adaptor
TK703BA-BT43	Dual Type43 to RJ45 Balun Adaptor