

## Balun-P Balun-B1/ B2

### Coax to Twisted Pair

The E1 Balun is a media adapter for E1 networks which allows unbalanced 75 ohm coaxial interface equipment to operate over 120 ohm balanced two twisted pairs (4-wire), or vice versa.



Balun-B1



Balun-B2/S &amp; Balun-B2/S-2

Balun-P/S &  
Balun-P/S-2

## BLN3010 BLN4010

### G.703 Mini Balun

The mini Balun is ideal for applications where size and space are restricted due to small dimensions or high density. They provide a full shielded terminator which is intended for panel or cable mounting, come with a variety of coaxial interfaces and IDC twisted pair termination which allows installation without special tools. The mini Balun supports E1 to E3 (2-34 Mbps) speeds. Conversion to twisted pair cabling enables the use of high density IDC modules in Digital Distribution Frames (DDF) thus decreasing wiring densities more than 5 times.



BLN3010



BLN4010

### Features

- Conversion between 75 ohm coax and 120 ohm twisted pair for E1(2048Kbps)
- Easy to install
- No power required
- Small, light-weight Balun
- Works in either direction
- Works for balanced and unbalanced E1

### Features

- Body parts plated min. 5uNi
- Contacts plated min. 1.25uNi & min. 1.25uAu(Gold)
- Coax connectors with BeCu spring contacts and Teflon insulators
- Coaxial connector insertion cycle > 500
- IDC contacts Phosphor Bronze
- IDC connect/disconnect cycle > 20
- IDC to suit 24.26.28 AWG Copper wire
- Integrated cable anchor allows cable to be inserted after termination on IDC

### Specifications

Data rate	2048Kbps	
Unbalanced interface	75 ohm; impedance (2 x BNC)	
Balanced interface	120 ohm; impedance (1 x RJ-45)	
Dimensions(WxDxH)	Balun-B2/S & Balun-B2/S-2	4.4cm x 5.4cm x 2.5cm
	Balun-B1	2.2cm x 5.6cm x 2.1cm
	Balun-P/S & Balun-P/S-2	2.2cm x 22.4cm x 2.1cm
Weight	Balun-B2/S & Balun-B2/S-2	35g
	Balun-B1	65g
	Balun-P/S & Balun-P/S-2	45g
Compliance	ITU G.703 standard pulse	

### Specifications

Dimensions (WxDxH)	1.7cm x 1.6cm x 4.8cm
Weight	15g

### Ordering Info

BLN3010	75 ohm to 120 ohm Balun 1.6/5.6 Jack/IDC
BLN4010	75 ohm to 120 ohm Balun BNC Bulkhead Jack/IDC

### Ordering Info

Balun-P/S & Balun-P/S-2	120 ohm 2-twisted pair on RJ-45 to 2-75 ohm BNC, male (Pigtails)
Balun-B1	120 ohm 1-twisted pair on RJ-45 to 1-75 ohm BNC, male
Balun-B2/S & Balun-B2/S-2	120 ohm 2-twisted pair on RJ-45 to 2-75 ohm BNC, female