Balun-P/S
Balun-B1/B2
G.703 Coax to Twisted Pair

A balun is a type of electrical transformer that can convert electrical signals that are balanced to signals that are unbalanced and vice versa. They are also used to change impedance of twisted pair's 120 ohm to coaxial's 75 ohm. An E1 balun's function is generally to convert an E1 carrier signal from coaxial cable to UTP CAT-5 cable.
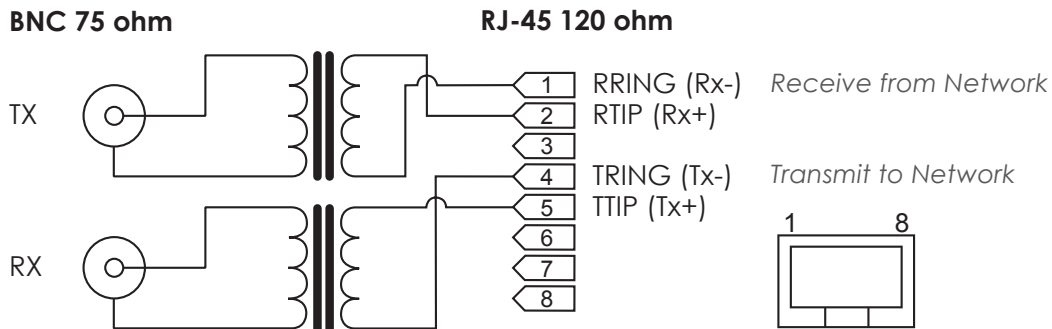
Features

- Converts 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

Specifications

Data rate	2048Kbps
Unbalanced interface	75 ohm impedance, 2xBNC
Balanced interface	120 ohm impedance, 1xRJ-45
Insection loss	0.2dB (2Mbps)
Return loss	-29dB (2Mpbs)
Dimensions	Balun-B2/S , Balun-B2/S-2 54 x 44 x 25 mm (W x D x H)
	Balun-B1 56 x 22 x 21mm (D x W x H)
	Balun-P/S, Balun-P/S-2 22 x 224 x 21mm (W x D x H)

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
Operating Temperture	0 ~ 75℃

Application

BNC 75 ohm

RJ-45 120 ohm

TX

RX

1	RRING (Rx-)	*Receive from Network*
2	RTIP (Rx+)	
3		
4	TRING (Tx-)	*Transmit to Network*
5	TTIP (Tx+)	
6		
7		
8		

1   8

Ordering Information

Model Name	Description
Balun-P/S	Two BNC pigtail type RJ45 Shielded - 2xBNC/M with 6" pigtail RJ45 PIN ASSIGNMENT: P1(+) / P2(-) , P4(+) / P5(-)
Balun-B1/S	One BNC box type RJ45 Shielded - 1xBNC/M RJ45 PIN ASSIGNMENT: P4(+) / P5(-)
Balun-B2/S	Two BNC box type RJ45 Shielded - 2xBNC/F RJ45 PIN ASSIGNMENT: P1(+) / P2(-) , P4(+) / P5(-)

Balun – □ / □
Example: Balun – P/S

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.

Balun-P/S & Balun-B1/B2

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