HDK
Empowering Dynamic Communication

BALUN

The balun enable unbalance coaxial type 75 ohm transmit to signal connect easily to Telecom Industry Standard of 120 ohm (or 100 ohm) twisted pir cables. (E series 120 Ohm T series 100ohm).

Balun allow two system of different characteristics impedance to each see their ideal load and source impedence as balun can solve the problem of poor energy from one port of the transmission system to the next. Many modern transmission system are design with twisted pair interface as they offer higher density interface, smaller cable size and lower cable costs.

Effective use of balun will save extra cost on expensive and space consuming coax hardware without requiring any device, duct and additional space.


120/75 Ohm
1.6/5.6 Male
to IDC Krone


120/75 Ohm
1.6/5.6 Male
Wrapping Type


Fully Shielded
Balun BNC
Male


BT43 Female
Bulkhead
to IDC Krone


120/75 Ohm
BNC Male
to IDC Krone


BNC Male
to Wrapping Type


120/75 Ohm
1.6/5.6 Female
to IDC Krone


120/75 Ohm
1.6/5.6 Female
to Wrapping Type


1.0/2.3 Male
to IDC Krone


BNC Male
to Toolless IDC


120/75 Ohm
BNC Female Bulkhead
to IDC Krone


BNC Female
Bulkhead
to Toolless IDC


BT43 Male
Bulkhead to
IDC Krone


Fully Shielded
Balun 1.6/5.6
Male


1.0/2.3 Female
Bulkhead
to IDC Krone


1.6/5.6 Female
Bulkhead
to Toolless IDC

This is some of the Balun that We produce Under HDK labels
For Other type of Balun please refer to Ordering Infomation

Electric Characteristics and Performance

2-8 Mbit/s speed version for E1 (T1), E2 (T2) data streams

Impedence	75~120 Ohm/100Ohm
Insertion Loss	Max 0.2dB (2Mbps; Max 0.3dB (8Mbps)
Return Loss	-29dB (2Mbps); -21 dB (8Mbps)
Cross Talk	Better than -80 dB from 0.1 to 12MHz between any two baluns mounted distance up to 15mm

2-8-34 Mbit/s speed version for E1 (T1) to E3 (T3) data streams

Impedence	75~120 Ohm/100Ohm
Insertion Loss	Max 0.3dB (2Mbps; Max 0.9dB from 0.2-70 MHz
Return Loss	-21dB (2Mbps); -15 dB 1 to 70 MHz
Cross Talk	Better than -60dB from 1Mhz to 70MHz between any two baluns mounted distance up to 15mm

34 to 155 Mbit/s speed version for E3 (T3) and higher data streams

Impedence	75~120 Ohm/100Ohm
Insertion Loss	Max 0.8dB 860KHz to 52Mhz Max.1.5 dB from 50KHz to 240 Mhz
Return Loss	Max 15dB from 1MHz to 240Mhz
Cross Talk	Max. <- 80 db from 1MHz to 240Mhz