



Dual BNC Female RJ45  
Part Number: E10120D  
2 and 8 Mbps Version



Dual BNC Female Bulkhead RJ45  
Part Number: E10120DB  
2 and 8 Mbps Version



Rear View  
E10120D and E10120DB Balun



Dual BNC Female RJ45  
Part Number: E10120DM  
2 and 8 Mbps Version



Rear View E10120DM

**EQL Telecommunications**  
Unit 20, 13 Swaffham Road  
Minto NSW 2566  
Australia

**Postal Address:**  
P.O.Box 351  
Minto NSW 2566  
Australia

**Tel:** +61 2 9824 5680  
**Fax:** +61 2 9824 5685  
**Email:** sales@eql.com.au  
**Web:** www.eql.com.au

**ABN:** 93 098 402 218

## Dual RJ45 Baluns

### Module, 2 Balun with 2 BNC Female Coaxial Connectors to 1 RJ45,

- Offers two E1 or T1 (2Mbps or 1.5 Mbps) paths into 1 Shielded RJ45 socket via two BNC Female connectors. Can also be used for E2 and T2 applications.
- Provides electrical isolation of 1KV from input to output terminals.
- Housed in an insulated wall mountable container.
- Impedance 75 to 120 Ohm
- Stable over working temperature of  $-5^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$

### Typical Specifications:

- Data Speed: Up to 8 Mbps
- Insertion Loss: Less than 0.3 dB in band 51 KHz to 3.072 MHz
- Return Loss: Better than 25 dB from 51 KHz to 3.072 MHz for each channel
- Cross Talk: Better than 60 dB from 51 KHz to 3.072 MHz
- Pulse Shape: Meets ITU-T G.703 Mask

### Physical Characteristics

- The mechanical endurance of the coaxial connectors are designed to give in excess of 200 connect/disconnect cycles.

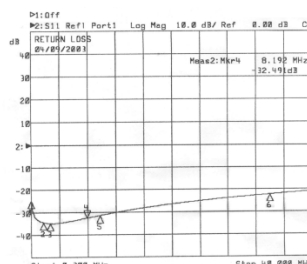
### Materials

- Balun Body: ABS UL 94-V0
- BNC Connector Body: Brass
- Contact: Brass
- Insulator: PTFE
- RJ45 Socket: Shielded
- Contact: Brass

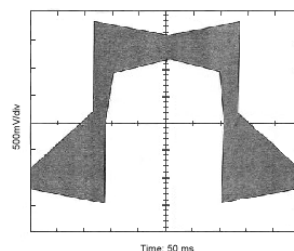
### Finish

- Black
- Nickel
- Gold
- Gold

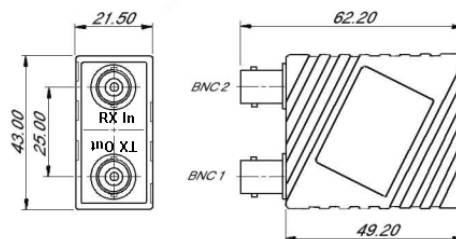
### Typical Test Results



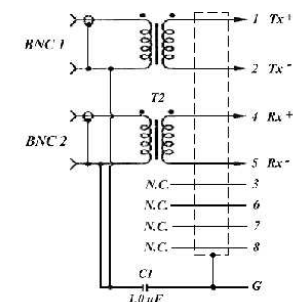
Return Loss



Pulse Shape



Outline Drawing E10120D



Schematic Diagram

**Note:** Specifications subject to change without notice.