



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

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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°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.

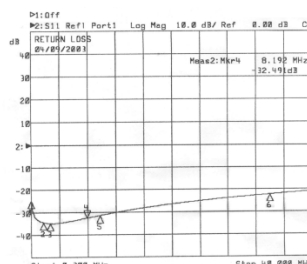
Materials

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

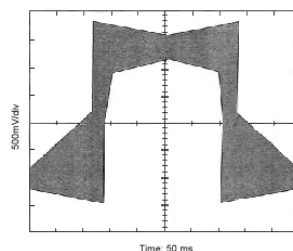
Finish

- Black
- Nickel
- Gold
- Gold

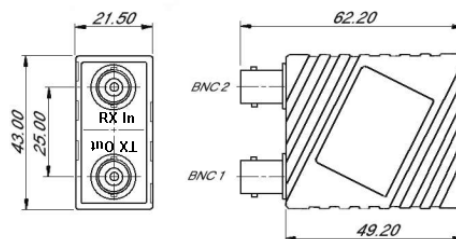
Typical Test Results



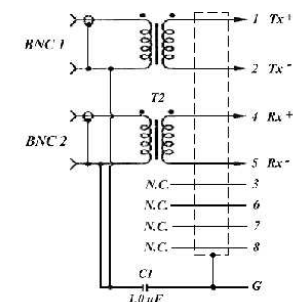
Return Loss



Pulse Shape



Outline Drawing E10120D



Schematic Diagram

Note: Specifications subject to change without notice.