

HXSP-G703 Balun G.703 75-ohm to 120-ohm

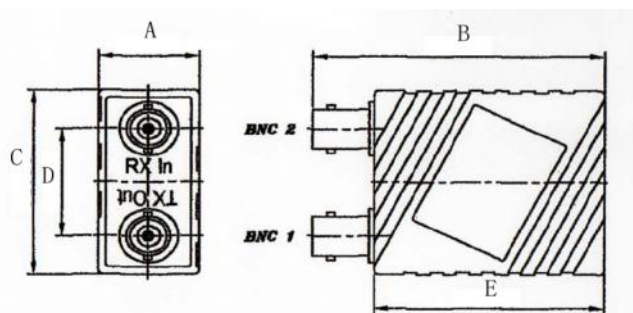
Female BNC to RJ-45

1. Description of Product:

HXSP-G703 is an impedance converter from balance to imbalance. It settles down the signal conversion from 75 ohm copper axis cable to 120 ohm twisted pair wire.

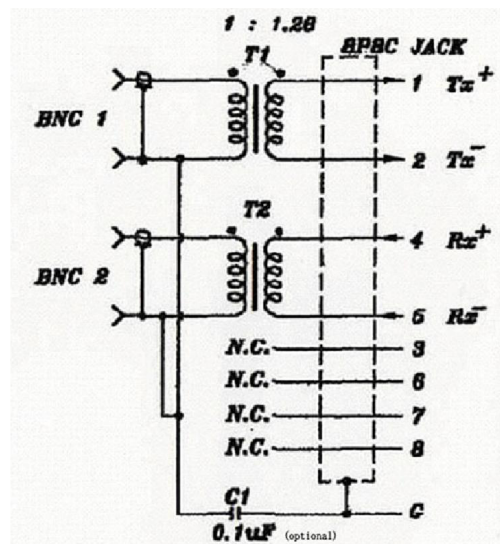
By G703 converter, it is quick and easy to compete the signal communication between regular 120 ohm twisted pair wire and 75 ohm copper axis cable.

2. Specification Sheet



[Dimension] A-20MM B-78MM C-42MM D-20MM E-65MM

[Wiring Diagram]



3. Electrical Characters

Impedance: 75 ohm unbalanced coaxial to 120 ohm balanced twisted pair

Bit Rates: 2.048Mbit/s as ITU-T Recommendation G.703 Line Code

Return Loss: 2.048Mbit/s as per G.703 requirements

Insertion Loss: <0.9dB from 51kHz to 51.55MHz

Cross Talk: >60dB from 51kHz to 51.55MHz between 2 baluns mounted 15mm apart

Pulse Shape: 2.048Mbit/s as per G.703

Signal Levels: 2.37V nominal peak voltage for 2.048Mbit/s at the coaxial end

Isolation Voltage: 250VDC for 1 minute between windings

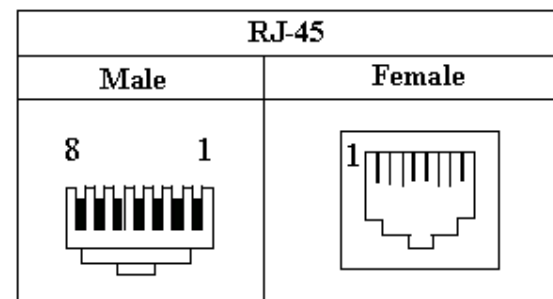
Pulse Test: 3kV as per ITU-T, K.17

Dimensions: 78mm x 42mm x 20.5 mm

4. Connection:

COAXIAL CONNECTOR (75 ohm): BNC Female To IEC169-8

RJ45 Jack (120 ohm): TWISTED PAIR CABLE to standard



RJ45 Pin Out

Pin Out Table

Signal	RJ-45 Description	DTE RJ45	BNC Description	DTE BNC
Tx +	Receive Input	1	Receive Input	Tip
Tx -	Receive Input	2	Receive	Ring
Rx +	Transmit	4	Transmit	Tip
Rx -	Transmit	5	Transmit	Ring