

### RGB Balun



**RGB Balun**  
**3 RCA Female to 1 RJ45**  
**Part Number: E10640**

#### Features:

- Offers one Red, Green & Blue video signal into 1 RJ45 socket.
- Bi-directional signal conversion.
- High Reliability and Durability
- Housed in a fire retardant wall mountable Case
- Impedance 75 to 100 Ohm
- Low cost, high quality and performance
- Passive device (no power supply required)
- Stable over working temperature between 0 °C to +55 °C

#### Application:

In many applications, video signal is carried over 75 ohm coaxial cabling and there is a need to convert to balanced transmission using lower cost 100 ohm twisted pair cables. EQL's RGB Baluns enable the transmission of one Red, Green and Blue video channel through twisted pair cabling.

When used in pairs, the baluns allow transmission of one Red, Green and Blue signal with synchronization on Green, through twisted pair cable, saving the end user time and money.

#### Specifications:

Bandwidth:	DC to 8MHz (480i and 480p only)
Insertion Loss:	< 2 dB to 8MHz
Impedance:	75 ohm Coaxial, 100 ohm RJ45
Maximum Signal Voltage:	1.1 Vp-p
Return Loss:	> 15 dB to 8 MHz
Cross Talk:	> 51 dB to 8 MHz
Common Mode Rejection:	> 40 dB @ 8 MHz
Connectors:	3 RCA Female 1 RJ45 jack
RJ45 Contacts:	Gold, 50 micro inch
Pin Configuration:	Red (Pr): Pins 7, 8 Green (Y): Pins 3, 6 Blue (Pb): Pins 1, 2
Temperature Range:	0 to 55 °C operating, 95% Relative Humidity
Casing:	Fire Retardant Plastic ABS UL 94V-0
Maximum Distance:	Color: Up to 100 m Cat 5e

Note: Specifications subject to change without notice.

### EQL Teleconnect

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