

RPF Pass thru G.fast Balun

Model SA-4610-4501; SA-4610-1101



NAME

RPF Pass thru G.fast Balun RJ45

RPF Pass thru G.fast Balun RJ11

ORDER NUMBER

SA-4601-4501

SA-4610-1101

The Reverse Power Feed (RPF) G.fast Balun is a passive in-line product that converts a G.fast signal from a balanced twisted pair cable to an unbalanced 75 Ω coax (and vice versa) that allows for the passthrough of remote power. The RPF G.fast Balun is compatible with Reverse Power Feed configurations to allow G.fast to be extended via coax to businesses and MDU environments.

All Comtest Baluns are designed for homes or buildings lacking telephone wiring or that have inadequate twisted pair wiring, and provide a method to bring video programming and high-speed broadband services into the premises using the existing wiring.

G.fast promises to deliver gigabit speeds over short lengths of standard twisted pair cable and longer lengths can be supported via coaxial cable. Comtest Networks G.fast Baluns provide the perfect solution to deliver broadband inside any MDU, business or campus environment.

BENEFITS

- Converts G.fast signal from a balanced twisted pair cable to an unbalanced 75 Ω coax
- Compatible with Reverse Power Feed (RPF) configurations
- Allows passthrough of remote power
- Installed indoors within MDU or DPU enclosures
- Supports VDSL2 and G.fast



SPECIFICATIONS

| | |
|-------------------------------|---|
| DIMENSIONS (H X W X D) | 23.4 x 23.4 x 63.8 mm 0.92 x 0.92 x 2.51 " |
| OPERATING TEMPERATURE | -40 to +65 *C -40 to +149 *F |

SPECIFICATIONS

| | |
|----------------------------------|---|
| WEIGHT | 64 g 0.14 lbs |
| INTERFACE | 75Ω unbalanced: F-Type Coax connector 100Ω balanced: RJ-45 Twisted wire Plug 100Ω balanced: RJ-11 Twisted wire Plug |
| CAPACITY | 1 Subscriber loop per line unit |
| ELECTRICAL SPECIFICATIONS | Current - Max 0.35 ADC Voltage - Max 75 VDC |
| OPERATING FREQUENCY | 1 MHz to 220 MHz |
| COMPLIANCE | Compliant to CSA/UL Standards |

| Parameter | Frequency | Performance |
|----------------|-------------------|-------------|
| Insertion Loss | 1 MHz - 50 MHz | < 0.5 dB |
| | 50 MHz - 106 MHz | < 1 dB |
| | 106 MHz - 212 MHz | < 1.5 dB |
| Return Loss | 1 MHz - 75 MHz | < -20 dB |
| | 75 MHz - 106 MHz | < -16 dB |
| | 106 MHz - 212 MHz | < -13 dB |