



PLC-802 L-Band Active Combiner

PLC-802 is an 8-way input and 2-way output L-band active combiner with unity gain, to support RF distribution with optimum RF signal quality. The second output port is unique and carries completely the same signal with the main output port to enable a second transmission channel.

The unit comes with dual redundant power internal power supply as standard in 1RU 19" chassis.

Typical Applications

- ❖ Satellite communication,
- ❖ VSAT applications,
- ❖ Cable TV and SMATV distribution,
- ❖ Broadcast turnaround and uplink,

Benefits & Key Features

- Optimum signal quality,
- 950-1950 MHz operating range
- Excellent gain flatness (frequency response)
- High return loss
- High linearity
- Dual redundant power supplies
- Very low power consumption

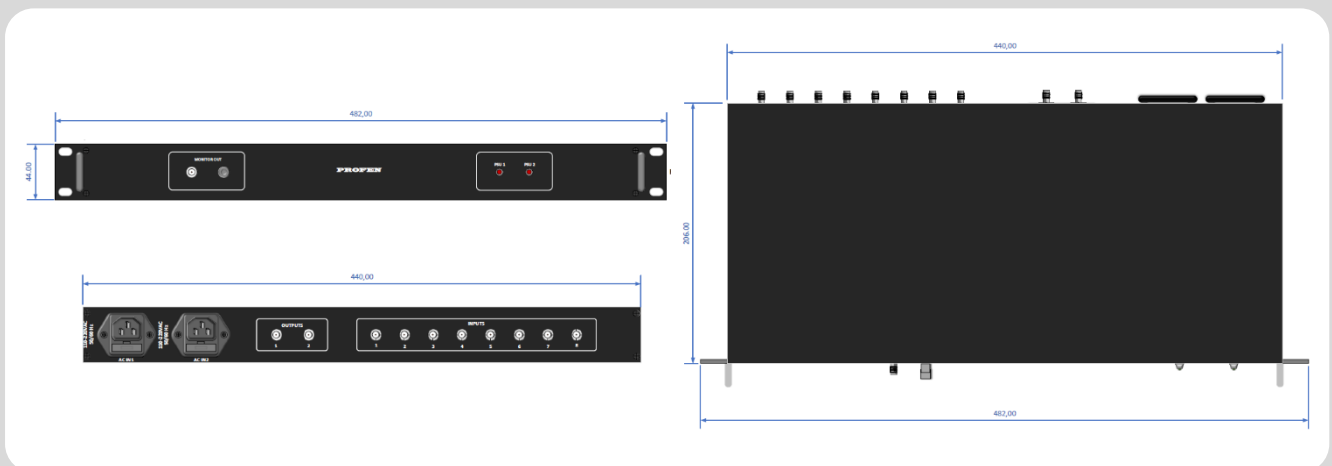
PLC-802 L-Band Active Combiner *

RF SPECIFICATIONS (Typical values)

Frequency Pass	950 MHz– 1950 MHz
Configuration	8x2
Impedance	50 Ω
Gain	0.7 ±0.5 dB
Gain Flatness (full band)	±0.5 dB
Input	Max +5 dBm
Port to Port Isolation	24.5 dB to 45.5 dB
VSWR (input)	1.15:1
VSWR (output)	1.20:1
Return Loss (input)	20 dB, Min. 17 dB
Return Loss (output)	20 dB, Min. 16 dB
Noise Figure	15
Monitoring Port	20 dB

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Connectors	SMA Female
Dimensions (WxDxH)	206 x 80 x 43 mm
Weight	2.8 Kg
Color	Black
Operating temp.	0 to 50°C
Storage temp.	-20°C to +75°C
Type	Indoor
Humidity	95% non-condensing
Power	90-260VAC 50-60Hz, 5W



*Specification of the antenna is subject to change without any notice