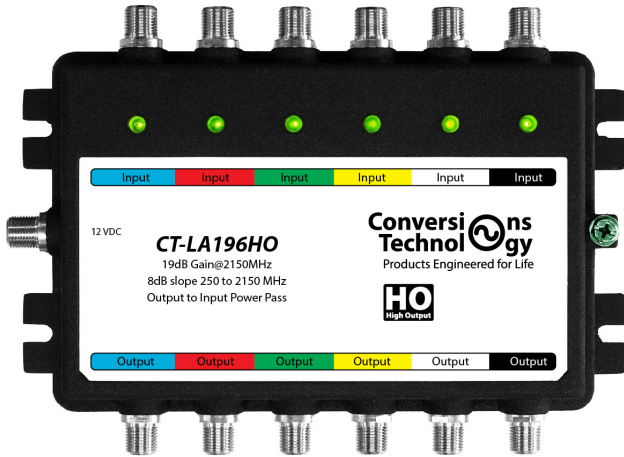


19 dB Gain Trunk Amplifier 6 In 6 Out 250 - 2150 MHz

CT-LA196HO



INTRODUCTION:

The CT-LA196HO is a 6 IN 6 OUT amplifier with 19 dB gain at 2150 MHz and 10 dB at 250 MHz.

Works with -T power supply

This amplifier is designed for indoors

It has high a 1 dB Compression to operate at the output of an antenna if needed, and a low noise figure to operate as a line amplifier.

The CT-LA196HO can be line-powered and will pass voltage bi-directional from OUT to IN, or can be powered from an external supply (included).

FEATURES:

- 19 dB at 2150 MHz, 10 dB at 250 MHz
- External Power Supply
- High 1dB Compression
- Bi-Directional Voltage
- Low Noise Figure
- 6 IN, 6 OUT

ELECTRICAL SPECIFICATIONS:

PARAMETERS

Input and output return loss

1 dB compression

Gain

Noise Figure

Line Voltage range

External voltage input

External voltage input

Maximum current

Output level

Temperature range

QC limit

>10dB

18 dBm

10

19

7 dB

8 to 24VDC

8 to 24 VDC

8 to 29 VDC

500 mA

-5 dBm/ transponder

-35 to +60

CONDITIONS

250 to 2150 MHz

950 and 2150 MHz

250 MHz

2150 Mhz

2150 MHz

Over Temperature

Over Temperature

-35 to +30 Degrees C

Over Temperature

24 transponders

(IM greater than 20 dBc)

Degrees C

MECHANICAL SPECIFICATIONS:

Master Carton (12 units) 12" x 15" x 12"

Master Carton Weight 16 lb. (7.2 kg)

ENVIRONMENTAL SPECIFICATIONS:

Operating Environment Indoor/Outdoor

Ambient Temperature -30° C to +60° C