



The amplifier is used for amplification of 16 VHF/UHF signals.

### Applications

CATV , C4ISR , EW , Radio monitoring , Satellite communication , SIGINT

### Design

The unit is housed in a 19" subrack with very good RF shielding.

All the necessary signal, power supply and earthing connections are provided at the rear.

The mains switches are located on the front panel.

### Features

- SMA connectors, female
- redundant power supply units
- simple installation and maintenance

Technical data	measured a 25° C
<b>Model number:</b>	GTV1403
<b>Item number:</b>	(will be assigned after order)
<b>Configuration:</b>	16 channels, each with 1 input, 1 output
RF specifications	
<b>Impedance (Ohm):</b>	50
<b>Frequency range (MHz):</b>	20...3000
<b>Gain (dB):</b>	about 15 at 20 MHz about 23 at 3000 MHz
<b>Gain flatness (dB):</b>	+/-1.5 typ., +/-3.0 max.
<b>Noise figure (dB):</b>	7.0 typ., 10.0 max.
<b>VSWR:</b>	2.0 : 1 max.
<b>Intercept point (dBm):</b>	
<b>3rd order</b>	+27 min.
<b>2nd order</b>	+40 min.
<b>Input power (dBm):</b>	
<b>Non-destructive</b>	0 CW min.
Further specifications	
<b>RF connectors:</b>	SMA female, 50 Ohm
<b>Power supply (Vac, Hz):</b>	115/230,50/60, redundant
<b>Connector</b>	3-pin, with mains filter & fuses
<b>Mains switches:</b>	with integrated lamp
<b>Temperature range (°C):</b>	
<b>Operating</b>	0...50
<b>EMC:</b>	in accordance to Eur. standard EN 61000-6-1 & EN 61000-6-3
<b>Dimensions:</b>	
<b>Height (RU)</b>	3
<b>Width (inch)</b>	19
<b>Depth (mm)</b>	about 480 (without connectors & handles)
<b>Front panel:</b>	
<b>Front view</b>	painted (RAL7032)

