Amplifier Unit
GTV2550-16
L-Band (950 – 2150 MHz)

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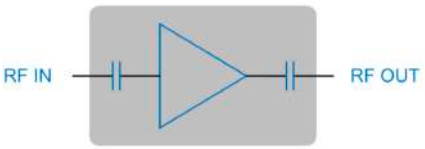
VSATECH ASSOCIÉ

The amplifier unit contains up to 4 L-band amplifier channels with integrated DC blocking capacitors.



TECHNICAL DATA

Type No. GTV2550-16-n-pm

Number of inputs	1 (each channel)
Number of outputs	1 (each channel)
Architecture	Up to 4 amplifier channels
Frequency range	950 – 2150 MHz
	useable 850 – 2450 MHz

Amplifier

Gain (fixed) (dB)	16 ± 0.3
Flatness (dB)	± 0.3 (full band)
Noise Figure (dB)	9.0 typ., 10.0 max.
OPIP3 (dBm)	28 min., 31 typ.
VSWR	
Input	1.4:1 typ., 1.55:1 max.
Output	1.4:1 typ., 1.55:1 max.
Input power (dBm)	
Non destructive	+15 max. CW
Output pwr (dBm)	
@ 1dB compr.	+15 max.
Impedance (Ω)	50
Connectors	
Input	SMA female
Output	SMA female
Remote control	See options
Power supply	80-264 V AC (47-63 Hz)
Power consumption	<30VA
Temperature range	Indoor use only
Operating	-5 ... +50°C
Storage	-10 ... +60°C
Colour	Front panel: RAL7021
Attached hardware	Power cord
	Operating manual
Dimensions (WxHxD)	483mm x 44mm x 360mm
	(19" drawer, 1U)
Weight	5-6 kg

FEATURES

- High linearity

OPTIONS

- Single power supply
- DC power supply
- Mixed power supply (AC and DC)
- Amplifier monitoring (via LAN)

[1] PART NUMBER SELECTION GTV2550-16-n-pm
n (number of amplifier channels): 1, 2, 3, 4
p (option): 0 = standard (redundant power supply)
1 = single AC power 2 = DC supply
m (option):0 = without option
1 = amplifier monitoring

EXAMPLE: GTV2550-16-3-01: 3 amps , redundant power supply, amplifier monitoring

APPLICATIONS

The GTV2550-16 is designed for long-term installations. Its excellent gain flatness and noise figure makes it suitable for the following purposes:

- Communication satellites & Teleports
- Mobile Marine Satcom
- Weather radar
- Surface ship radar
- Airport surveillance radar
- Air traffic control
- Wireless LAN (IEEE 802.11b and 802.11g standards)

Note: Unused outputs have to be terminated using a 50Ω load in order to comply with the specifications