

Amplifier Unit – GTV2550-18

L-Band (950 – 2150 MHz)



GTV2550-18-2-00

TECHNICAL DATA @ 25°C

Type No.	GTV2550-18-n-pm [1]
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 channel	
Gain (fixed) [dB]	18 ± 0.2
Flatness [dB]	± 0.4 (full band)
Noise Figure [dB]	8.0 typ., 9.0 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
Local control	---
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	<ul style="list-style-type: none"> High linearity

OPTIONS

The following options are available:

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

[1] PART NUMBER SELECTION GTV2550-18-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

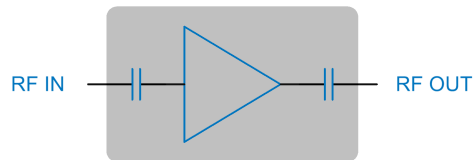
m (option): 0 → without option / 1 → amplifier monitoring

EXAMPLE: GTV2550-18-3-01: 3 amps, redundant power supply, amplifier monitoring



DESCRIPTION

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



APPLICATIONS

The GTV2550-18 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)

ABOUT US

novotronic is a Germany-based electronics engineering company. **novotronic** specialises in meeting the needs of government and defence, telecommunication, broadcast and aerospace. We have about 25 years experience producing state of the art technology for your applications.

OUR SKILLS

novotronic develops and manufactures technically sophisticated products. As a **certified aerospace and defence company novotronic** operates a quality management system in accordance with ISO 9001:2015 and EN 9100:2018 (equivalent to AS 9100D and JISQ 9100:2016 including ISO 9001:2015).