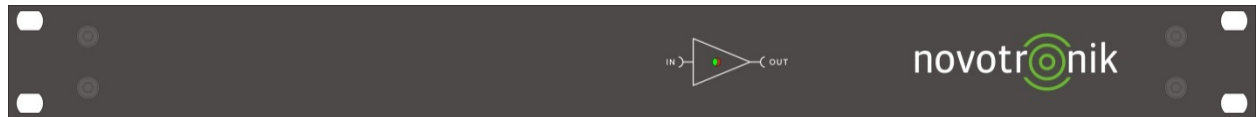


Amplifier Unit – GTV2455

L-Band (900 – 2150 MHz)



TECHNICAL DATA @ 25°C

Type No.	1200214
Number of inputs	1
Number of outputs	1
Architecture	One amplifier channel
Frequency range	900 – 2150 MHz
Amplifier	
Gain [dB]	0 - 20 in steps of 1 dB
Flatness [dB]	± 0.8 typ., ± 1.0 max.
Noise Figure [dB]	6.0 typ., 7.0 max. @ 20dB gain
OPIP3 [dBm]	28 min., 30 typ.
VSWR	
Input	1.4:1 typ., 1.5:1 max.
Output	1.4:1 typ., 1.5:1 max.
Input pwr [dBm] non-destructive	+7 min. (CW)
Output pwr [dBm] @ 1dB compr.	+18 min.
Impedance [Ω]	50
Connectors	
Input	SMA female
Output	SMA female

Local control	---
Remote control	RJ45 Ethernet port 10/100 Base T., TCP/IP & UDP, SNMP, GUI (browser interface)
Power supply	80-264 V AC (47-63 Hz)
Power consumption	<30VA
Temperature range	Indoor use only
Operating	0 ... +40°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 kg
Features	<ul style="list-style-type: none"> ▪ Redundant power supply ▪ Adjustable gain ▪ Amplifier monitoring ▪ Amplifier status LED (green/red) ▪ GUI

OPTIONS

The following options are available:

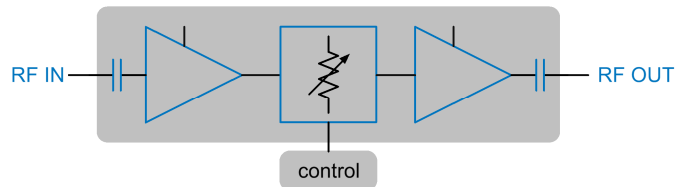
- Single power supply
- DC power supply
- Mixed power supply (AC and DC)
- Customized filters



DESCRIPTION

The unit contains one high frequency amplifier channel operating over 0.9 to 2.15GHz. Gain can be selected between 0 and +20dB, step size is one dB. Both, in and out, are AC-coupled.

The gain can be set remotely using the GUI, SNMP or an external control software.



APPLICATIONS

The GTV2455 uses a low-noise amplifier and a high accuracy attenuator and is designed for long-term installations. Its excellent gain flatness and noise figure makes it suitable for the following purposes:

- Broadcast
- Communication satellites
- Surface ship radar
- PCS
- GPS
- Wireless LAN (IEEE 802.11b and 802.11g standards)
- Defense

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).