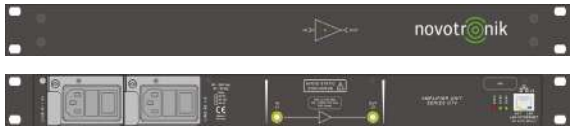
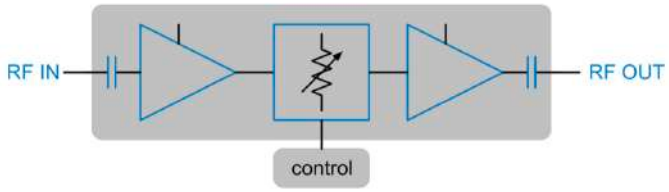
Amplifier Unit
GTV2455
L-Band (900 – 2150 MHz)

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.





TECHNICAL DATA

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., 3 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 power (dBm)	
Non destructive	+7 min. CW
Output pwr (dBm)	
@ 1dB compr.	+18 min.
Impedance (Ω)	50
Connectors	
Input	SMA female
Output	SMA female
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

- Redundant power supply
- Adjustable gain
- Amplifier monitoring
- Amplifier status LED (green/red)
- GUI

OPTIONS

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

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

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

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