

Amplifier Redundancy Switching Unit – GTS7370 L-Band (950 – 2150 MHz)



Image for reference only

TECHNICAL DATA @ 25°C

Part No.	GTS7370
Number of inputs	1
Number of outputs	1
Architecture	1:1 redundancy solid state switch
Frequency range [MHz]	950...2150
Gain [dB]	0...30
Gain step [dB]	1
Flatness [dB]	± 0.5 max.
Noise figure [dB] @ 30dB gain	11 max.
Isolation between channels [dB]	45 min., 50 typ.
Return loss [dB]	2.0:1 max.
Input pwr [dBm] @ 30dB gain	-5 max. CW
P1dBc [dBm]	20, at gain 30 dB
Spurious [dBc]	-60
Switching time [ms]	10 max. (without PC time)
Impedance [Ω]	50
Connectors	SMA female
Local control	mimic with push buttons, front panel
Remote control	RJ45 Ethernet port 10/100 Base T. TCP/IP & UDP, SNMP, GUI (browser interface)

Power supply [Vac]	80-264 (47-63 Hz)
AC consumption [VA]	approx. 30
Temperature range [°C]	Indoor use only
Operating	0...+40
Colour:	Front panel: RAL7021
Attached hardware	Power cord Operating manual
Dimensions (wxhxd) [mm]	483mm x 44mm x 380mm (19" drawer, 1U)
Weight [kg]	5
EMC	In accordance to European standard EN 61000-6-1 & EN 61000-6-3
MTTR [h]	about 0.5
MTBF [h]	about 60.000 (experience)

Features

- Redundant power supply
- Adjustable gain
- Embedded web-server (GUI) with "M&C function" for remote monitoring, switching and gain control
- Permanent monitoring of temperature



DESCRIPTION

The GTS7370 is configured as a 1:1 amplifier redundancy switching unit. One amplifier channel can be switched to a redundancy amp, in case of failure or for test only. The gain of each channel can be adjusted in 1 dB steps. Switching to redundant path always sets the redundant amp to gain of the origin path.

The GTS7370 operates in L-band frequency band from 950 MHz to 2150 MHz and is perfectly suitable for a wide variety of RF applications.

The system supports come with Ethernet control interface, allowing setup flexibility and easy remote test management. Also, manual control is possible.

APPLICATIONS

- Communication satellites & Teleports

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).