



EUROSATCOM
VSATECH ASSOCIÉ

Single 8-way RX Multicoupler GTA2300.8

VHF/UHF (20 – 3000 MHz)

The GTA2300.8 is able to process extremely broad band signals. The frequency range starts at 20MHz (VLF) and extends to 3000MHz (UHF).

The advantage of using the GTA2300.8 in signal monitoring applications (SIGINT or COMINT) is in the port-to-port isolation.

It reduces the possibility of RF interaction between receivers caused by local oscillators or synthesizers.



TECHNICAL DATA

Type No. 1300139

Number of inputs	1
Number of outputs	8
Frequency range	20 – 3000 MHz
Gain (dB)	1 ± 1
Flatness (dB)	+/- 1.0 typ., +/- 1.5 max.
Noise Figure (dB)	6.0 typ., 8.0 max.
OPIP3 (dBm)	+15 min., +18 typ.
OPIP2 (dBm)	+30 min., +32 typ.
Isolation (dB)	
Out/ou	15dB min., 18dB typ.
Out/IN	28dB min., 32dB typ.
VSWR	
Input	1.6:1 typ., 1.8:1 max.
Output	1.6:1 typ., 1.8:1 max.
Input power (dBm)	
@ 1dB compression	+5 min.
Non-destructive	+33 max. (CW)
Impedance (Ω)	50
Connectors	
Input	N female
Output	N female
Power supply	80-264 V AC (47-63 Hz)
Power Consumption	<10VA
Temperature range	Indoor use only
Operating	-10 ... +50°C
Storage	-20 ... +60°C
Colour	Front panel: RAL7021
Attached hardware	Power cord Operating manual
Dimensions (WxHxD)	483mm x 44mm x 360mm (19" drawer, 1U)
Weight	4.5 kg

FEATURES

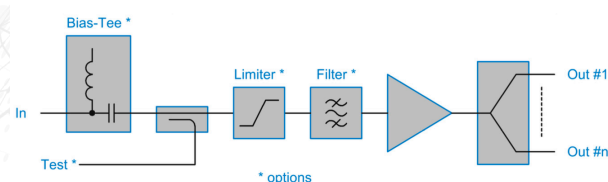
- Redundant power supply
- Limiter at input

OPTIONS

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

APPLICATIONS

The fundamental application of a receiver (RX) multicoupler is to enable multiple radio receivers, spectrum analyzers or scanners, to share a common signal source like antennas, signal generators or reference clocks. Any incoming signal will be distributed without loss.



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



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