



**EUROSATCOM**  
VSATECH ASSOCIÉ

# Single 8-way RX Multicoupler GTA5033.8 HF(1-30MHz)

The GTA5033.8 is a high dynamic range multicoupler for shortwave applications. It is designed for long-term installations at fixed-site HF radio stations.

Due to its excellent second and third order intercept point values the device is predestined for usage with SIGINT or COMINT signals. The high port-to-port isolation reduces the possibility of RF interaction between receivers caused by local oscillators or synthesizers



## TECHNICAL DATA

### Type No. 1300136

Number of inputs	1
Number of outputs	8
Frequency range	1 – 30 MHz
Gain (dB)	1.5 +/- 1.0
Flatness (dB)	+/- 0.3 typ., +/- 0.8 max.
Noise Figure (dB)	8.0 typ., 9.0 max.
OPIP3 (dBm)	+42 min., +45 typ.
OPIP2 (dBm)	+85 min., +88 typ.
Isolation (dB)	
Out/ou	27 min., 30 typ.
Out/IN	50dB min.
VSWR	
Input	1.4:1 typ., 1.5:1 max.
Output	1.3:1 typ., 1.5:1 max.
Input power (dBm)	
@ 1dB compression	+18 min., +20 typ.
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	5 kg

## FEATURES

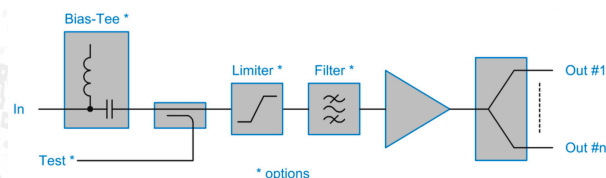
- Redundant power supply
- Ultra high dynamic amplifier

## OPTIONS

- Single power supply
- DC power supply
- Mixed power supply (AC and DC)
- Amplifier monitoring
- Test port
- Customized filters
- Lightning protection (additional unit)
- EMP protection (additional unit)

## 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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