

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



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/out	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

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

OPTIONS

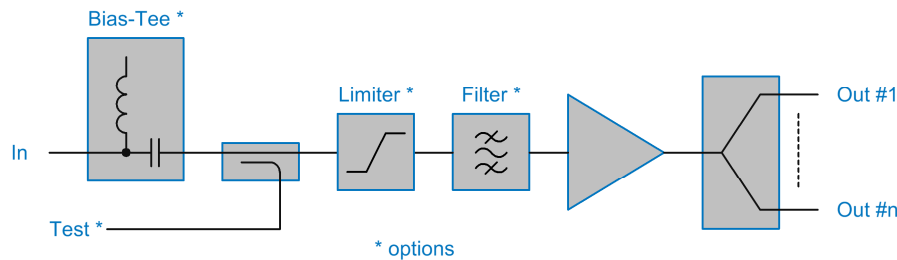
The following options are available:

- 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.



DESCRIPTION

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

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).