

# Single 8-way RX Multicoupler – GTA3650.8

## ULF/LF/HF (0.001 – 60 MHz)



Image for reference only

### TECHNICAL DATA

<b>Type No.</b>	<b>1300137</b>
Number of inputs	1
Number of outputs	8
Frequency range	0.001 – 60 MHz
Gain [dB]	5 +/- 0.5
Flatness [dB]	+/- 1.0 typ., +/- 1.5 max.
Noise Figure [dB]	8.5 min. (@ 30 MHz)
OPIP3 [dBm]	+28 min.
OPIP2 [dBm]	+40 min.
Isolation [dB]	
Out/out	40dB min.
...Out/in	50dB min.
VSWR	
Input	1.7:1 max.
Output	1.3:1 max.
Input power [dBm] @ 1dB compression	+16 typ.
Impedance [ $\Omega$ ]	50
Connectors	
Input	BNC female
Output	BNC 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	4.2 kg
Features	<ul style="list-style-type: none"> <li>Redundant power supply</li> </ul>

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

### OPTIONS

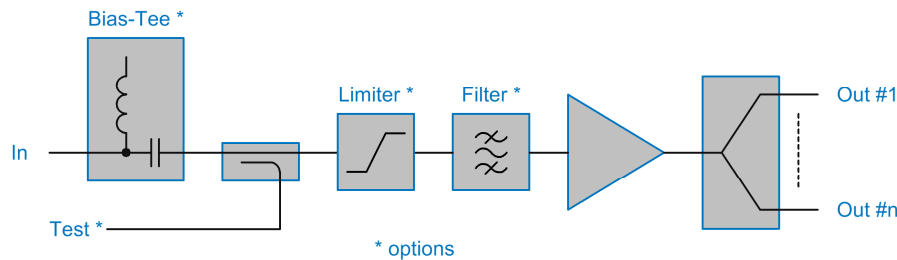
The following options are available:

- Single power supply
- DC power supply
- Mixed power supply (AC and DC)
- Amplifier monitoring
- Test port
- 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 GTA3650.8 is able to process extremely broad band signals. The frequency range starts at 1kHz (VLF) and extends to 60MHz (VHF). The advantage of using the GTA3650 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.

The GTA3650.8 is a direct replacement for **M/A-COM 409-03 (Cobham)**.

## 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).