

Single 4-way RX Multicoupler – GTA7313.4

Ultra-Broad-Band (20 – 8000 MHz)



Image for reference only

TECHNICAL DATA

Type No.	1300140
Number of inputs	1
Number of outputs	4
Frequency range	20 – 8000 MHz
Gain [dB]	0 +/- 1.0
Flatness [dB]	+/- 2.0 max.
Noise Figure [dB]	12.0 max. (20...100 MHz) 8.0 max. (above 100 MHz)
OPIP3 [dBm]	+7 min. (20...6000 MHz)
Isolation [dB]	
Out/out	18 min
...Out/in	40 min.
VSWR	
Input	2.0:1 max.
Output	1.5:1 max.
Input power [dBm]	
Non-destructive	+5 max. (CW)
Impedance [Ω]	50
Connectors	
Input	N female
Output	SMA 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	4.3 kg
Features	<ul style="list-style-type: none"> Redundant power supply

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

OPTIONS

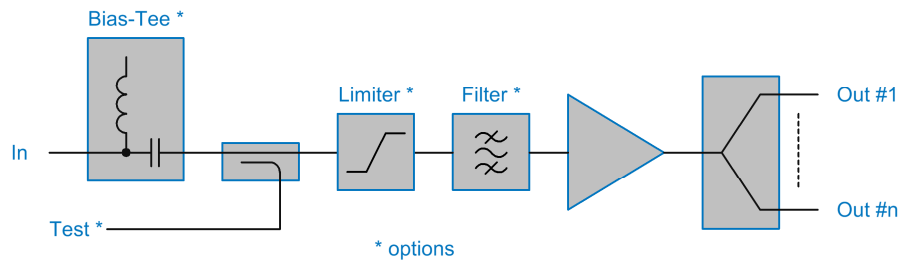
The following options are available:

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



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 GTA7313.4 is able to process extremely broad band signals. The frequency range starts at 20MHz (VHF) and extends to 8000MHz (SHF). With that the GTA7313.4 can be used for distribution of radio signals as well as L-band, WLAN or telecommunication signals. Especially the usage in automated test equipments saves time-consuming rewiring procedures.

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).