



**EUROSATCOM**  
VSATECH ASSOCIÉ

# Single 8-way RX Multicoupler GTA5200.8

L-Band (950 – 2150 MHz)

## TECHNICAL DATA

### Type No. 1300112

|                    |                                                         |
|--------------------|---------------------------------------------------------|
| Number of inputs   | 1                                                       |
| Number of outputs  | 8                                                       |
| Frequency range    | 90 – 2150 MHz                                           |
| Gain (dB)          | 1 ± 1                                                   |
| Flatness (dB)      | +/- 1.0 typ., +/- 1.5 max.<br>+/- 0.5 max. (any 36 MHz) |
| Noise Figure (dB)  | 12.0 max.                                               |
| OPIP3 (dBm)        | +12 min., +15 typ.                                      |
| OPIP2 (dBm)        | +25 min., +30 typ.                                      |
| Isolation (dB)     |                                                         |
| Out/out            | 18 min., 20 typ.                                        |
| VSWR               |                                                         |
| Input              | 1.5:1 typ., 1.8:1 max.                                  |
| Output             | 1.5:1 typ., 1.8:1 max.                                  |
| Input power (dBm)  |                                                         |
| @ 1dB compression  | +2 min                                                  |
| Non-destructive    | +8 max.                                                 |
| Impedance (Ω)      | 75                                                      |
| Connectors         |                                                         |
| Input              | F female                                                |
| Output             | F 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<br>Operating manual                          |
| Dimensions (WxHxD) | 483mm x 44mm x 360mm<br>(19" drawer, 1U)                |
| Weight             | 4.5 kg                                                  |



## FEATURES

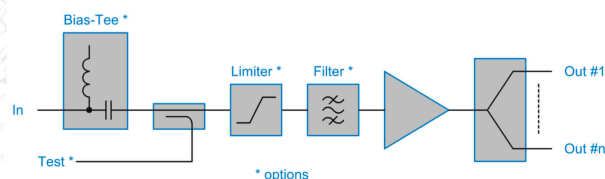
- Redundant power supply
- DC bias for LNB supply (18V / 250mA nom.)

## 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.



Typical applications are:

- Satellite communication
- Broadcast
- Weather radar
- Civil aviation radar
- Automatic test equipment systems
- Defence

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



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