



EUROSATCOM
VSATECH ASSOCIÉ

Single 8-way RX Multicoupler GTA3650.8

ULF/LF/HF (0.001 – 60 MHz)

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).



TECHNICAL DATA

Type No. 1300137

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/ou	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 (Ω)	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

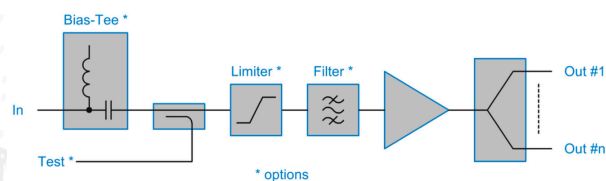
- Redundant power supply

OPTIONS

- 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.



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



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