



The units of the GTA2200 series are used to distribute satellite IF signals in L-band to 8 or 16 outputs per channel.

A remote power supply via the coaxial cable is provided furthermore.

Design

The multicouplers are based on modular construction and consists of the following sub-assemblies:

- DC bias tee with overload protection (optional)
- DC voltage interruptable (optional)
- amplifier
- high pass filter (optional)
- directional coupler to supply the built-in measuring output (optional)
- power divider 8- or 16-way, with DC blocking

All the necessary signal and power supply connections as well as the mains switches are provided at the rear.

Special features

The units of the GTA2200 series are based on modular construction. According to the model, a maximum of 2, 6, 8 or 20 channels are integrated in a 19" subrack. This subrack also includes the redundant power supply. Every channel is built up with one GTA2200 amplifier/multicoupler module.

Technical data		measured at 25° C
Model number:	GTA2200	
Item number:	(will be assigned after order)	
Configuration:	1 input	
GTA2201	2 channels - 1 RU subrack	
GTA2203	6 channels - 3 RU subrack	
GTA2204	8 channels - 4 RU subrack	
GTA2206	20 channels - 6 RU subrack	
RF specifications		
Impedance (Ohm):	50	
Outputs per channel:	8 (16 as option)	
Frequency range (MHz):	950...2150	
Gain (dB):	0+/-1.0	
Noise figure (dB):	10.0 max.	
Intercept point (dBm):		
3rd order	+15 min.	
2nd order	+25 min.	
Isolation (dB):		
Out/out	20 min.	
Return loss (dB):	14 min.	
Amplitude dist. (dB):	0.6 _{pp} (bandwidth 36 MHz)	
	2 _{pp} (in total bandwidth)	
Group delay dist. (ns):	5 _{pp} max. (bandwidth 36 MHz)	
Further specifications		
RF connectors:	SMA female, 50 Ohm	
Power supply (Vac, Hz):	195...264, 47...63 or 24 Vdc, other DC volt. optional)	
	red. power supply optional	
Connector	3-pin, with mains filter & fuses	
Mains switch:	with integrated lamp	
Temperature range (°C):		
Operating	0...50	
EMC:	in accordance to Eur. standard EN 61000-6-1 & EN 61000-6-3	
Dimensions:		
Height (RU)	1, 3, 4 or 6	
Width (inch)	19	
Depth (mm)	about 290 (without connectors & handles)	
Front panel:		
Front view	painted (RAL7032)	