



Multicouplers are used to distribute satellite IF signals to 8 outputs in the frequency range 50...90 MHz.

### Design

The multicoupler is housed in a 19" subrack with very good RF shielding and consists of the following sub-assemblies:

- RF amplifier
- power divider 8-way
- redundant power supply units

All the necessary signal, power supply and earthing connections are provided at the rear.

The mains switches are located on the front panel.

### Special features

The unit is constructed using a modular approach utilising plug-in sub-assemblies which enable ease of installation and maintenance.

Technical data		measured at 25° C
Model number:	GTA2071	
Item number:	1300003	
Configuration:	1 input 8 outputs	
RF specifications		
Impedance (Ohm):	50	
Frequency range (MHz):	50...90	
Gain (dB):	0+/-0.5	
Noise figure (dB):	10.0 max.	
VSWR:	1.3 : 1 max.	
Intercept point (dBm):		
3rd order	+25 min.	
Isolation (dB):		
Out/out	25 min.	
Input power (dBm):		
Non-destructive	+10 CW max.	
Further specifications		
RF connectors:	BNC female, 50 Ohm	
Power supply (Vac, Hz):	85...264, 47...63, redundant (24 Vdc, 110 Vac optional)	
Connector	3-pin, with mains filter & fuses	
Mains switches:	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	
Width (inch)	19	
Depth (mm)	about 280 (without connectors & handles)	
Front panel:		
Front view	painted (RAL7032)	