



Multicouplers are used to distribute satellite IF signals to 8 or 16 outputs in the frequency range 40...200 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- or 16-way
- power supply unit

All the necessary signal, power supply and earthing connections are provided at the rear.  
The mains switch is located on the front panel.

### Special features

The unit is constructed using a modular approach utilising 19" plug-in sub-assemblies which enable ease of installation and maintenance.

Technical data		measured at 25° C
<b>Model number:</b>		GTA2070
<b>Item number:</b>		(will be assigned after order)
<b>Configuration:</b>		1 input
GTA2070.8		8 outputs
GTA2070.16		16 outputs
RF specifications		
<b>Impedance (Ohm):</b>		50
<b>Frequency range (MHz):</b>		40...200
<b>Gain (dB):</b>		1+/-1.0
<b>Gain flatness (dB):</b>		+/-1.0 max.
<b>Noise figure (dB):</b>		10.0 max.
<b>Return loss (dB):</b>		14 min.
<b>Intercept point (dBm):</b>		
3rd order		+15 min.
2nd order		+30 min.
<b>Isolation (dB):</b>		
Out/out		20 min.
<b>Input power (dBm):</b>		
Non-destructive		+10 CW max.
Further specifications		
<b>RF connectors:</b>		BNC female, 50 Ohm
<b>Power supply (Vac, Hz):</b>		195...264, 47...63 (24 Vdc, 110 Vac optional)
Connector		3-pin, with mains filter & fuses
<b>Mains switch:</b>		with integrated lamp
<b>Temperature range (°C):</b>		
Operating		0...50
<b>EMC:</b>		in accordance to Eur. standard EN 55022 & EN 50082-1/2
<b>Dimensions:</b>		
Height (RU)		1
Width (inch)		19
Depth (mm)		about 360 (without connectors & handles)
<b>Front panel:</b>		
Front view		painted (RAL7032)