



Antenna multicouplers are used in modern receiving stations and provide distribution of one antenna signal to several receivers without loss and deterioration of the signal quality.

This model distributes one HF signal to 4, 8 or 16 outputs in the frequency range 1.0... 40 MHz.

### Design

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

- HF amplifier
- 4-, 8- or 16-way power divider
- 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 plug-in sub-assemblies which enable ease of installation and maintenance.

Technical data		measured at 25° C
Model number:	GTA2040	
Item number:	(will be assigned after order)	
Configuration:	1 input	
GTA2040.4	4 outputs	
GTA2040.8	8 outputs	
GTA2040.16	16 outputs	
RF specifications		
Impedance (Ohm):	50	
Frequency range (MHz):	1.0...40	
Gain (dB):	0+/-1.0	
Gain flatness (dB):	+/-1.0 max.	
Noise figure (dB):	8.0 max.	
Intercept point (dBm):		
3rd order	+37 min.	
2nd order	+80 min.	
VSWR:	1.5 : 1 max.	
Isolation (dB):		
Out/out	35 min.	
Out/in	25 min.	
Input power (dBm):	+33 CW max.	
	2 kV pulse (tr 1.6 μs, td 50 μs)	
Further specifications		
RF connectors:		
Input	N female, 50 Ohm or tbd.	
Outputs	BNC female, 50 Ohm or tbd.	
Power supply (Vac, Hz):	100...240, 50...60	
	(24 Vdc, 110 Vac 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	
Width (inch)	19	
Depth (mm)	about 360	
	(without connectors & handles)	
Front panel:		
Front view	painted (RAL7032)	