



This antenna multicoupler with selectable inputs and diplexer is used in receiving stations for distribution of long, medium and short wave signals. To select either input 1 or input 2 a relay is used. The amplifier is protected against surge voltage.

Design

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

- overvoltage protection
- HF amplifier
- HF relay
- power supply module

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 a 25° C	
Model number:	GTA0731
Item number:	(will be assigned after order)
Configuration:	3 inputs 24 outputs
RF specifications	
Impedance (Ohm):	50
Frequency range (MHz):	1.6...30, selectable with relay
Input 1 and 2	0.1...1.6
Input 3	Input 1,2 and 3 are feed with diplexer to common amplifier
Gain (dB):	-2 +/-1
Noise figure (dB):	9.0 max.
VSWR:	1.5 : 1 max.
Intercept point (dBm):	
3rd order	30 min.
2nd order	60 min.
Isolation (dB):	
Out/out	25 min.
Input power (dBm):	+33 max. (300 s)
Further specifications	
RF connectors:	N female, 50 Ohm
Power supply (Vac, Hz):	195...264, 47...63
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 55022 & EN 50082-1/2
Dimensions:	
Height (RU)	3
Width (inch)	19
Depth (mm)	about 345 (without connectors & handles)
Front panel:	
Front view	painted (RAL7032)