



The antenna multicoupler distributes one HF signal to 8 outputs in the frequency range 0.001...60 MHz.

This novotronik device will be an equivalent multicoupler for the unit M/A-COM 409-03 (Cobham).

Design

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

- low noise amplifiers with high dynamic range
- power divider 8-way
- input protection
- power supply unit

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

The mains switch is located on the rear 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:	GTA3650
Item number:	1300095
Configuration:	1 input 8 outputs
RF specifications	
Impedance (Ohm):	50
Frequency range (MHz):	0.001...60
Gain (dB):	5 min.
Noise figure (dB):	8 at 30 MHz
Intercept point (dBm):	
3rd order	+28 min.
2nd order	+40 min.
Return loss (dB):	12 min. input
Return loss (dB):	20 min. outputs
Isolation (dB):	
Out/out	40 min.
Out/in	50 min.
P1 dBc (dBm):	+16
Further specifications	
RF connectors:	BNC female, 50 Ohm
Power supply (Vac,Hz):	80...264, 47...63
Connector	3-pin, with mains filter & fuses integrated in the power supply
Mains switch:	
Temperature range (°C):	
Operating	-10...55
EMC:	in accordance to Eur. standard EN 61000-6-1 & EN 61000-6-3
Dimensions:	
Height (RU)	1
Width (inch)	19
Depth (mm)	about 380 (without connectors & handles)
Front panel:	
Front view	painted (RAL7021)