



The matrix distributes 4 Broadband signals to 8 receivers in the frequency range 20...6000 MHz without any blocking.

Applications

CATV , C4ISR , EW , Radio monitoring , SIGINT , VSAT

Design

The unit is housed in a 19" subrack with very good RF shielding.

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

The mains switch is located on the front panel.

Features

- N connectors, female
- LAN and serial interface
- simple installation and maintenance

Options

- webserver for units control and monitoring
- manual control module
- redundant power supply units, hot swap

Technical data		measured a 25° C
Model number:	MAS6048	
Item number:	(will be assigned after order)	
Configuration:	4 inputs, 8 outputs non-blocking	
RF specifications		
Impedance (Ohm):	50	
Frequency range (MHz):	20...6000	
Gain (dB):	1 +/-2.0	
Gain flatness (dB):	+/-3.0 max.	
Noise figure (dB):	12.0 max.	
VSWR:	2.0 : 1 max.	
Intercept point (dBm):		
3rd order	0 min.	
2nd order	+10 min.	
Isolation (dB):		
Out/out	50 min.	
On/off	40 min.	
Crosstalk	50 min.	
Input power (dBm):	-10 max.	
Switching elements:	solid state switches	
Further specifications		
Control:	LAN and serial	
Manual control:	LCD & pushbuttons (optional)	
RF connectors:	N female	
Power supply (Vac, Hz):	115/230, 50/60	
Connector	3-pin, with mains filter & fuses with integrated lamp	
Mains switch:		
Temperature range (°C):		
Operating	0...50	
EMC:	in accordance to Eur. standard EN 61000-6-1 & EN 61000-6-3	
Dimensions:		
Height (RU)	3	
Width (inch)	19	
Depth (mm)	about 480 (without connectors & handles)	
Front panel:		
Front view	painted (RAL7032)	

