



The matrix distributes 4 HF and 2 VHF/UHF signals to 16 common outputs without any blocking.

Applications

EW , Radio monitoring , SIGINT

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 switches are located on the front panel.

Features

- gain setting on each input, via manual control and interface
- SMA connectors, female
- LAN and serial interface
- manual control
- redundant power supply units
- simple installation and maintenance

Technical data		measured a 25° C
Model number:	MAS4570	
Item number:	(will be assigned after order)	
Configuration:	4 inputs HF 2 inputs VHF/UHF 16 outputs broadband non-blocking	
RF specifications		
Impedance (Ohm):	50	
Frequency range (MHz):	2...30	20...3000
Gain (dB):	0...10.0*	0...10.0*
Gain flatness (dB):	+/-1.0 max.	+/-2.0 max.
Noise figure (dB):	10.0 max.	12.0 max.
VSWR:	1.5 : 1 max.	2.0 : 1 max.
Intercept point (dBm):		
3rd order	+30 min.	+12 min.
2nd order	+55 min.	+27 min.
Isolation (dB):		
Out/out	35 min.	25 min.
On/off	60 min.	50 min.
Crosstalk	60 min.	50 min.
Input power (dBm):	+5 max.	0 max.
All values at max. gain!		
* adjustable in steps of 1 dB		
Further specifications		
Control:	LAN & serial	
Manual control:	LCD & pushbuttons	
RF connectors:	SMA female	
Power supply (Vac, Hz):	115/230, 50/60, redundant	
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)	

