



The matrix distributes 2 HF signals to 32 receivers in the frequency range 1.5...30 MHz without any blocking.

### Applications

C4ISR , EW , Radio communication

### 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

- BNC connectors, female
- LAN and serial interface
- manual control
- redundant power supply units
- unit monitoring via interface and/or manual control
- simple installation and maintenance

Technical data	
measured a 25° C	
<b>Model number:</b>	MAR2703
<b>Item number:</b>	(will be assigned after order)
<b>Configuration:</b>	2 inputs, 32 outputs non-blocking
RF specifications	
<b>Impedance (Ohm):</b>	50
<b>Frequency range (MHz):</b>	1.5...30
<b>Gain (dB):</b>	0 +/-1.0
<b>Gain flatness (dB):</b>	+/-0.5 max.
<b>Noise figure (dB):</b>	8.0 max.
<b>VSWR:</b>	1.5 : 1 max.
<b>Intercept point (dBm):</b>	
3rd order	+30 min.
2nd order	+70 min.
<b>Isolation (dB):</b>	
Out/out	35 min., 40 typ.
On/off	70 min.
Crosstalk	60 min., 65 typ.
<b>Input power (dBm):</b>	+30 max., non-destructive
<b>P1 dBc (dBm):</b>	+10 typ.
<b>Switching elements:</b>	relays
Further specifications	
<b>Control:</b>	LAN and serial
<b>Manual control:</b>	LCD (4x20) & pushbuttons (3x6)
<b>RF connectors:</b>	BNC female
<b>Power supply (Vac, Hz):</b>	115/230, 50/60, redundant
<b>Connector</b>	3-pin, with mains filter & fuses
<b>Mains switches:</b>	with integrated lamp
<b>Temperature range (°C):</b>	
<b>Operating</b>	0...40
<b>EMC:</b>	in accordance to Eur. standard EN 61000-6-1 & EN 61000-6-3
<b>Dimensions:</b>	
<b>Height (RU)</b>	3
<b>Width (inch)</b>	19
<b>Depth (mm)</b>	about 480 (without connectors & handles)
<b>Front panel:</b>	
<b>Front view</b>	painted (RAL7032)

