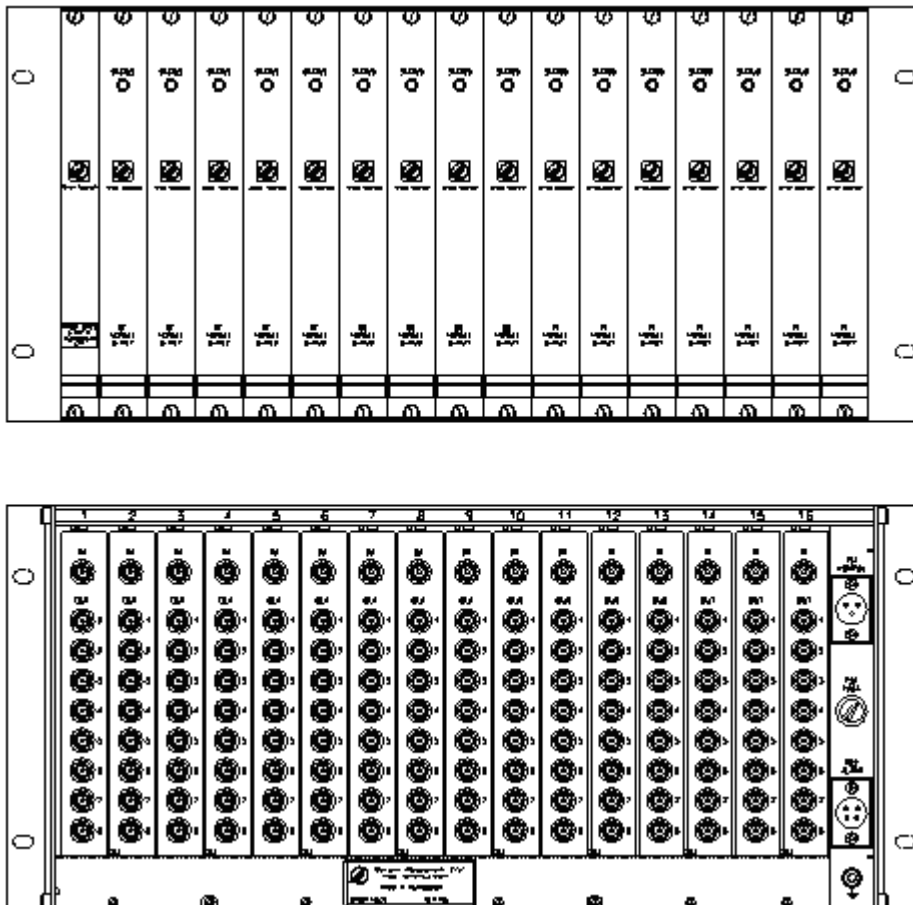


RR1151 Multiple HF Multicoupler

The RR1151 is a series of broadband Multiple HF multicoupler units providing wide dynamic range performance in a compact unit for use in receiving systems where frequency coverage from 1MHz to 40MHz is required. Up to 16 multicoupler modules can be housed in a single unit. Each multicoupler comes with 4, 6, 8 or 12 outputs. Optimum coupling is provided between a single antenna input and up to 12 outputs. The performance is characterised by low noise figure, high intermodulation product suppression and good isolation. Either standard AC mains or +24V DC supply can be used to power the unit.

The modular construction enables a compact design to be achieved with the unit occupying only 221mm (5U) of vertical space. The unit is suitable for mounting directly into a 19" rack.



RR1151 x 8-Way Multicoupler Unit (Fully Fitted)

Specification		Parameter		
Frequency Range		1-40MHz minimum		
Gain		1dB ±0.5dB (typically 0±0.3dB)		
Noise Figure		7dB maximum		
Number of Inputs		Up to 16		
Number of Outputs		4, 6, 8 or 12 / per input		
Output Intercept Point		4-way	6 or 8-way	12-way
	2nd Order (OIP2)	80dBm	77dBm	77dBm
	3rd Order (OIP3)	40dBm	38dBm	37dBm
VSWR Input/Output (50Ω)		1.5: 1 maximum		
Isolation	O/P to I/P	25dB minimum		
	O/P to O/P	35dB minimum		
Maximum Input Signal	CW	40dBm		
	Pulse	2kV, 1.6µs rise-time, 50µs duration		
Power Supply		+24V DC @ 8.8A max		
Connectors	RF Input	BNC-type socket		
	RF Output	BNC-type socket		
	Power (ac)	AXR 3-pin plug		
	Alarm Output	AXR 4-pin plug		
Dimensions	Width	483mm		
	Depth	275mm		
	Height	221mm (5U)		
Temperature	Operating	-10°C to + 50°C		
	Storage	-30°C to +70°C		
Options		Alternative number of outputs		
		Higher performance OIP's, on request		
		Alternative numbers of multicoupler modules		
		Alternative Gain		