

The HPMC-002A, is a 30MHz - 500MHz, 8 way multi-coupler. It is a solution for coupling up to 8 wideband receivers to a single antenna. Using current state of the art components, exceptional linearity and low noise performance is achieved, resulting in a high dynamic range unit. The unit is provided in a 19" 1U high rack mounted case. Health monitoring is provided. Local LED indicates 'STATUS', an opto-coupler output allows remote indication of 'STATUS'.



Figure 1 HPMC002A-1U (N-type input option)

Specification:

Parameter

Limits

Freq:	30 – 500MHz
Gain:	1dB nominal
Gain Variation:	+/- 1dBmax
Noise Figure:	6.5dB max.
Number of inputs:	1
Number of outputs:	8
Output Intercept (OIP):-	3rd order > +22dBm 2nd order > +35dBm min
P1dB	> +3dBm
VSWR input 50 Ohm:	2.0:1 max. (Return Loss >10dB)
VSWR output 50 Ohm	2.0:1 max. (Return Loss >10dB)
Isolation - Output to output:	>20dB min
Output to input:	>25dB min
Max. input signal CW	+20dBm cont.
Power:	OPT1. Mains 115/230V, set internally, max power 10W OPT2. DC 24V.

