



HPMC002
30MHz – 500MHz low cost high performance Multicoupler

The HPMC002A, is a V/UHF 8 way multi-coupler. It offers a low cost, high performance solution for coupling up to 8 V/UHF receivers to a single antenna. Using a high dynamic range amplifier exceptional linearity performance is achieved. The unit is provided in machined natural finish aluminium housing. Mounting behind a 1U panel is suggested alternatively it could be wall mounted. Health monitoring is provided. Local LED indicates 'STATUS', an opto-coupler output allows remote indication of 'STATUS'.



Specification:

Parameter

Limits

Freq:		30 – 500 MHz
Gain:		1.0dB nominal
Gain Variation:		+/- 1dB max
Noise Figure:		6.5dB max.
Number of inputs:		1
Number of outputs:		8
Output Intercept OPIP:-		3rd Order > +22dBm 2nd order > +35dBm min
P1dB		> +3dBm
VSWR input	50 Ohm:	1.5:1 max. (Return Loss >14dB)
VSWR output	50 Ohm:	1.5:1 max. (Return Loss >14dB)
Isolation -	Output to output:	>20dBmin (typically >23dB)
	Output to input:	>25dB
Max. input signal CW		+20dBm cont.
Power:		15-24V DC <0.1A. (Internally regulated)
Connectors:	RF	BNC female sockets
	power	DC connector is Molex , Mini fit Jr.
Dimensions:		Approx 8" x 3" x 1" (excludes BNC)
Temp range:		operating: -10C to +55C storage: -20C to +70C