

30MHz – 500MHz low cost high performance Multicoupler “MC200”

The MC200A, 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 50ohm:	1.5:1 max. (Return Loss >14dB)
VSWR output 50Ohm	1.5:1 max. (Return Loss >14dB)
Isolation Output to output: Output to input:	>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

