

# STANCOM Pty Ltd

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HPMC-UHF116A  
30-1000MHz 16Way 1U  
High Performance Multicoupler

The HPMC-HF116A, is a UHF 16 way multi-coupler. Offering, high performance solution for coupling up to 16UHF receivers to a single antenna. Using a state of the art high linearity amplifier, exceptional linearity performance is achieved. 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'. Lighting protection is incorporated.



(Picture is of a similar product)

## Specification:

### Parameter

### Limits

Freq:	30-1000Mhz
Gain:	1dB nominal (+/- 1dB)
Gain Variation:	+/- 1.5dB max
Noise Figure:	6.5dB max. (typ 4.8dB)
Number of inputs:	1
Number of outputs:	16
Output Intercept (OPIP):-	

### UHF

Measured at 2 tones 0dBm, 70Mhz and 110Mhz

	3rd Order at 150Mhz, Typ 20dBm (+18dBmin) .
	2nd order at 180Mhz, >+28dBm min.
VSWR input 50ohm:	2:1 max. (Return Loss >10dB)
VSWR output 50Ohm	2:1 max. (Return Loss >10dB)
Isolation - Output to output:	>20dB min
Output to input:	>25dB min
Max. input signal CW	20dBm cont.

### Lightning Protection

2kV 1.6ns rise time, 50ns duration

Power: 15-24V DC <0.25A. (Internally regulated)

## Specification (cont.):

### Parameter

### Limits

### Mechanical

Connectors:	RF	SMA Female
	Power/Alarm	DC connector is Molex , Mini fit Jr.
Dimensions:	19", 1U rack mount,	

### Environmental

Temp range:	operating: -10C to +55C
	storage: -20C to +70C

### Alarms/Protection CCT

Alarms – The multicoupler has a 'on board' health monitoring circuit which monitors the operation of the active amplifier. Should a fault occur the 'Status' LED on the front panel will change from 'Green' to 'Red' and an opto-coupler (transistor) is activated to provide remote alarm operation. The remote alarm pins are available on the rear panel (mini fit jnr) connector.

### Options: -

2 – Fitment of a mains Power supply to operate of 240V 50Hz AC mains.