

## 1-500MHz Bandwidth Amplifier

### Features

- wide bandwidth, usable 1 - 500 MHz
- unconditionally stable
- saturated power 1W


### Applications

- AM/FM
- multi-carrier amplification
- broadband swept signal
- feed forward
- linear pulse

### Electrical Specifications

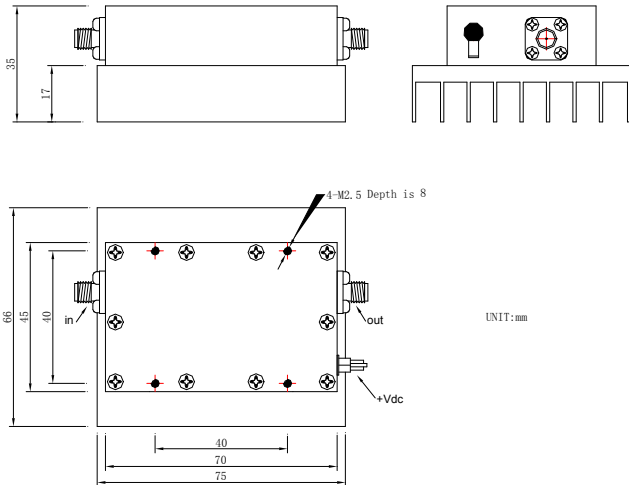
Parameter	Condition	Min.	Typ.	Max.	Units
Frequency Range		1	-	500	MHz
Gain	In the range of working temperature	-	30	-	dB
Gain Flatness		-	±1.0	-	dB
Output Power at 1dB compression	In the range of the whole frequency	28.0 -	-	-	dBm
Input VSWR		-	2.0	-	:1
Output VSWR		-	1.5	-	:1
DC Supply Voltage		12.0	15.0	16	V
Supply current		-	400	-	mA

Testing instruction, at room temperature 25°C, impedance 50Ω, +15V DC.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM DRAWING & DETAILS ARE SUBJECT TO CHANGE WITHOUT NOTICE. CERTAIN CHANGES MAY BE IN ORDER TO IMPROVE PRODUCT.	 <b>Universal Cooperate Ltd.</b> Web: www.ucl-microwave.com		46 Langham Rd Edgware, HA8 9EL The UK	
	TITLE <h3>1-500MHz Bandwidth Amplifier</h3>			
	SIZE <b>A</b>	CAGE CODE	MODEL <b>UCL-MAS1500M</b>	REV <b>A</b>
	SCALE 1:1	DOC FAMILY TG	SHEET 1 OF 1	

## 1-500MHz Bandwidth Amplifier

### Outline Drawing (removable heat sink included)



### Maximum Ratings

Parameter	Ratings
Operating Temperature	-20°C to 70°C
Storage Temperature	-55°C to 100°C
DC Voltage	16V
Input RF Power (no damage)	+5dBm

Permanent damage may occur if any of these limits are exceeded.

Maintain good ventilating environment to ensure stability of the performance.

### Typical Performance Curves

