



MTPA60218347471

6-18GHz 50W

MODEL DESCRIPTION

MTPA60218347471 is a complete solid state microwave power amplifier module that features high efficiency, high output power and wide dynamic range. It is based on advanced microwave device technology and provides long-term reliability and high ruggedness.

FEATURE

6GHz-18GHz ultra-broadband

Psat: 50W

High efficiency, High reliability and ruggedness

Good linearity, Low distortion

Applications: Test& Measurement, Broadcasting, Communication etc.

GENERAL SPECIFICATION

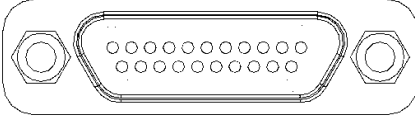
Parameter	Unit	Min.	Typical	Max.
Frequency	GHz	6	-	18
Power Gain(@Psat)	dB	-	47	-
Gain Flatness	+/-dB	-	5	-
Psat	dBm	-	47	-
INPUT Return Loss	dB	-	-	-10
OUTPUT Return Loss	dB	-	-10	-
Maximum input power	dBm	-	-	0
Harmonic(@specific output power)	dBc	-	-15	-
Spur	dBc	-	-60	-

ENVIRONMENTAL SPECIFICATIONS:

Parameter	Unit	Min	Typical	Max
Voltage	V(DC)	27	28	29
Current	A	-	14	-
Operating Temperature	°C	0	-	50
Non-Operating Temperature	°C	-20	-	65



## MECHANICAL SPECIFICATIONS:

Parameter	Unit	Min	Typical	Max
Dimensions WxHxD	mm		260x180x30	
Weight	Kg	-	3	-
RF Input&Output		SMA-F		
DC Power Connector		J30J-21ZKP		
Pin Definition		 1-8: +28V; 12-19: GND,9:485A,10:485B 11:Signal GND,20:Fault,21:NC		

## MODEL APPEARANCE (mm)

