



**MTPA30051150501**

**30-512MHz 100W**

## MODEL DESCRIPTION

MTPA30051150501 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

30-512MHz ultra-broadband

Psat: 100W

High efficiency, High reliability and ruggedness

Good linearity, Low distortion

Applications: Test& Measurement, Broadcasting, Communication etc.

## GENERAL SPECIFICATION

Parameter	Unit	Min.	Typical	Max.
Frequency	MHz	30	-	512
Power Gain(@Psat)	dB	-	50	-
Gain Flatness	+/-dB	-	2	-
Psat	dBm	-	50	-
INPUT Return Loss	dB	-	-10	
OUTPUT Return Loss	dB	-	-10	-
Maximum input power	dBm	-	10	-
Harmonic(@specific output power)	dBc	-	-20	-
Spur	dBc	-	-60	-

## ENVIRONMENTAL SPECIFICATIONS

Parameter	Unit	Min	Typical	Max
Voltage	V(DC)	-	28	32
Current	A	-	10	-
Operating Temperature	°C	0	-	50
Non-Operating Temperature	°C	-20	-	65

## MECHANICAL SPECIFICATIONS

Parameter	Unit	Min	Typical	Max
Dimensions LxWxH	mm	-	220x101.6x25.4	-
Weight	Kg	-	1.2	-
RF Input&Output		SMA-F		