



## MTPA80012150501

## 80-120MHz 100W

### MODEL DESCRIPTION

MTPA80012150501 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

80-120MHz 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	80	-	120
Power Gain(@Psat)	dB	-	50	-
Gain Flatness	+/-dB	-	1	-
Psat	dBm	-	50	-
INPUT Return Loss	dB	-	-10	
OUTPUT Return Loss	dB	-	-10	-
Maximum input power	dBm	-	5	
Harmonic(@specific output power)	dBc		-15	
Spur	dBc		-60	

### ENVIRONMENTAL SPECIFICATION

Parameter	Unit	Min	Typical	Max
Voltage	V(DC)	26	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		101.6x220x25.4	
Weight	Kg		5	
RF Input&Output			SMA-F	