



MTPA10010245451

10M-1G 30W

MODEL DESCRIPTION

MTPA10010245451 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

10M-1G ultra-broadband

Psat: 30W

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	10	-	1000
Power Gain(@Psat)	dB	-	45	-
Gain Flatness	+/-dB	-	4	-
Psat	dBm	-	45	-
INPUT Return Loss	dB	-	-10	
OUTPUT Return Loss	dB	-	-10	-
Maximum input power	dBm	-	5	
Harmonic(@specific output power)	dBc		-10	
Spur	dBc		-60	

ENVIRONMENTAL SPECIFICATIONS

Parameter	Unit	Min	Typical	Max
Voltage	V(DC)	-	28	32
Current	A	-	6	-
Operating Temperature	°C	0	-	50
Non-Operating Temperature	°C	-20	-	65

MECHANICAL SPECIFICATIONS

Parameter	Unit	Min	Typical	Max
Dimensions LxWxH	mm		180x80x25	
Weight	Kg		1	
RF Input&Output			SMA-F	