



Microwave Town Company, LLC

MTPA20218345452

2000MHz-18000MHz 30Watt Broadband Power Amplifier

The MTPA20218345452 is a completely solid state microwave power amplifier module which features high efficiency, high output power and wide dynamic range. It uses advanced microwave device technology and provides high reliability and ruggedness product for our customer.

- 2GHz~18GHz ultra-broadband
- Psat:30W
- High efficiency, High reliability and ruggedness
- Good linearity, Low distortion
- Applications: Test & Measurement, Broadcasting, Communication, etc

ELECTRICAL CHARACTERISTICS @ 220V AC +25° C 50Ω

PARAMETER	UNIT	MIN	TYPICAL	MAX
Frequency Response	MHz	2000		18000
Power Gain	dB		45	
Gain Flatness	+/-dB		3	
Saturated Output Power	dBm		45	
Efficiency @ Sat Output Power	%		20	
Harmonic Distortion	dBc		-15	
Spurious Signals	dBc		-60	
Input For Rated Output Power	dBm		0	
Input VSWR				2:1
Output VSWR			2:1	

ENVIRONMENTAL SPECIFICATIONS (DESIGN TO MEET)

PARAMETER	UNIT	MIN	TYPICAL	MAX
Voltage	V (AC)	90		260
Current	A		2	
Operating Temperature	°C	-40		55
Non-Operating Temperature	°C	-40		85

MECHANICAL SPECIFICATIONS

PARAMETER	UNIT	MIN	TYPICAL	MAX
Dimensions W x H x D	Inch		25.0X19.0X6.0	
Weight	Kg		15	
RF Input & Output		IN:SMA(F), OUT:SMA(F)		

