



Microwave Town Company, LLC

MTPA18326340402

18GHz-26GHz 10Watt Broadband Power Amplifier

The MTPA18326340402 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.

- 18GHz~26GHz ultra-broadband
- Psat:10W
- 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	GHz	18		26
Power Gain	dB		40	
Gain Flatness	+/-dB		2	
Psat	dBm		40	
Efficiency @ Sat Output Power	dBm		15	
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		20	
RF Input & Output		IN:2.92mm(F), OUT:2.92mm(F)		

