



Microwave Town Company, LLC

MTPA29331335431

29.4GHz-31GHz 20 Watts Broadband Power Amplifier

Features: High output power, High linearity, High efficiency, High reliability

Applications: SATCOM

Test condition: +24VDC, +25° C case temperature

Specification	Unit	Min.	Typical	Max.
Frequency	GHz	29.4		31
Gain	dB	35		
Gain flatness	+/-dB			3
Input VSWR	dB			-10
P1dB	dBm			43.5
Power Stability	dB			2
Efficiency(@Psat)	%		10	
IMD3 ($\Delta f=5\text{MHz}$, Total power 40.3dBm)	dBc			-22
Harmonics	dBc		-20	
Spurious	dBc			-65
Voltage	V		24	
Power Consumption	W		200	
Sampling coupling	dB	39	40	41
Interface			WR-28	
Weight	kg			2
Temperature	°C	-40		55

Function: RF sampling, Power detection, Temperature detection, power control, security

