



Microwave Town Company, LLC

MTPA90113240501

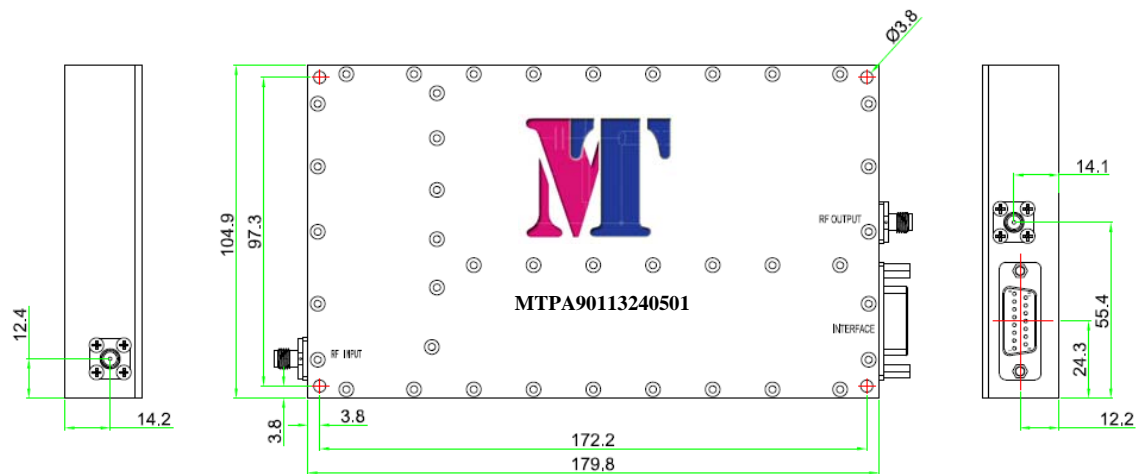
900-1300MHz 100 Watts Broadband Power Amplifier

Features: Multi-octave Broadband, High output power, High efficiency, High reliability

Applications: Test & Measurement, SATCOM, EW

Test condition: +30VDC, +25° C case temperature

Specification	Unit	Min.	Typical	Max.
Frequency	MHz	900		1300
Gain	dB	40	43	
Gain flatness (Each 40M bandwidth)	+/-dB		0.5	
Gain variation over temp	+/-dB		2	
INPUT Return Loss	dB		-14	
Maximum input power	dBm			10
Output power (Psat)	W		100	
Efficiency (@Psat)	%		35	
Harmonics	dBc		-20	
Spurious	dBc		-60	
Voltage	V		30	32
Silent switch (Switching speed)	µs		5	
Mode			A/AB	
Temperature	° C	0		50
Dimension	mm		179.8x104.9x24.1	
Weight	Kg		1	
Interface			SMA (Female)	



Unit: mm

Blanking	RF OUTPUT
TTL LOGIC "0"	ON
TTL LOGIC "1"	OFF

- ◇ Pin 2 Current Monitor
- ◇ Pin 3 Temperature Monitor
- ◇ Pin 4 Blanking
- ◇ Pin 5 VDD +30 VDC
- ◇ Pin 6 VDD +30VDC
- ◇ Pin 7 VDD +30VDC
- ◇ Pin 8 Ground
- ◇ Pin 9 Ground
- ◇ Pin 10 Ground