

The **SM1025-36MQ2** is a GaAs FET amplifier designed for various military and commercial applications. This small size, high efficiency module is well suited for applications such as COFDM video and C2 links in UAVs and in portable, battery-powered transmitters.



Features:

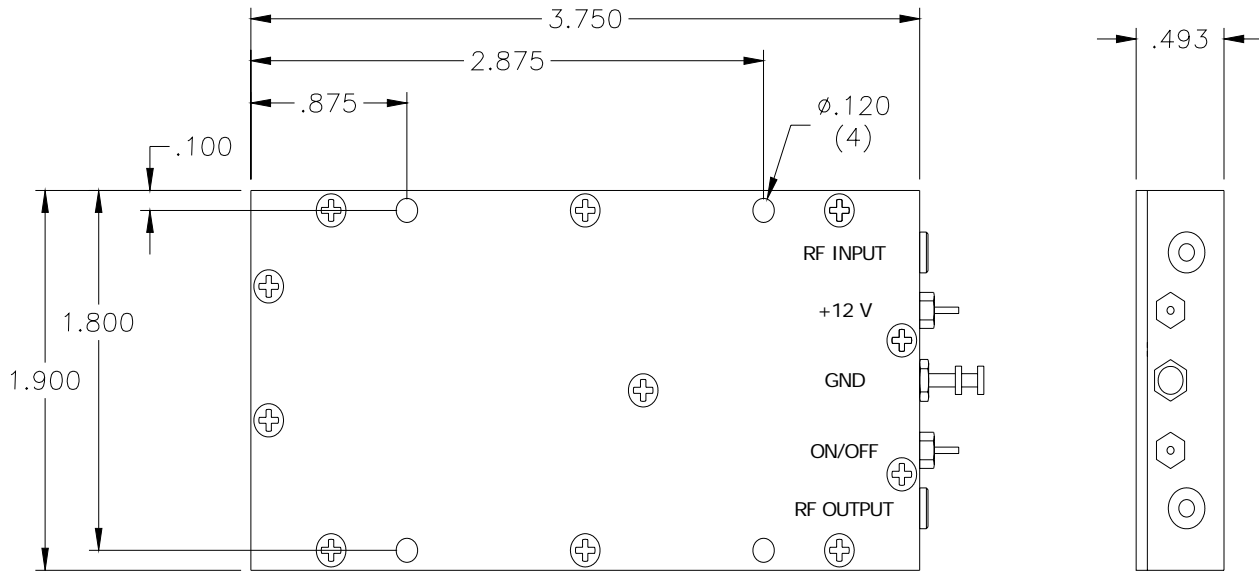
- Single DC Supply of +12V
- Over/Reverse Voltage Protection
- Thermal Protection with Auto Reset

Options

- TTL on/off

Parameter	Specification		
Frequency Range	1000 - 2500 MHz		
Pout (P1dB, dBm)	+ 35.5 min.	+ 35.8 typ.	+ 36.8 max.
Linear Gain	10 dB \pm 1dB		
OIP3	50 dBm typ.		
Gain Flatness over Full Band	\pm .75 dB		
Input/Output Return Loss	-10/-10		
DC Supply	+ 12 Volts @ 600-800 mA Operating @ 30-33 dBm COFDM		
RF Connectors	MMCX / SMA		
Operating Temperature	0°C to 85°C (Base plate)		
Operating Humidity	95% Non-condensing		
Mechanical Dimensions	3.75 x 1.9 x 0.5 inches		
Weight	3.3 ounces		

DIMENSIONS IN INCHES
MMCX CONNECTORS SHOWN



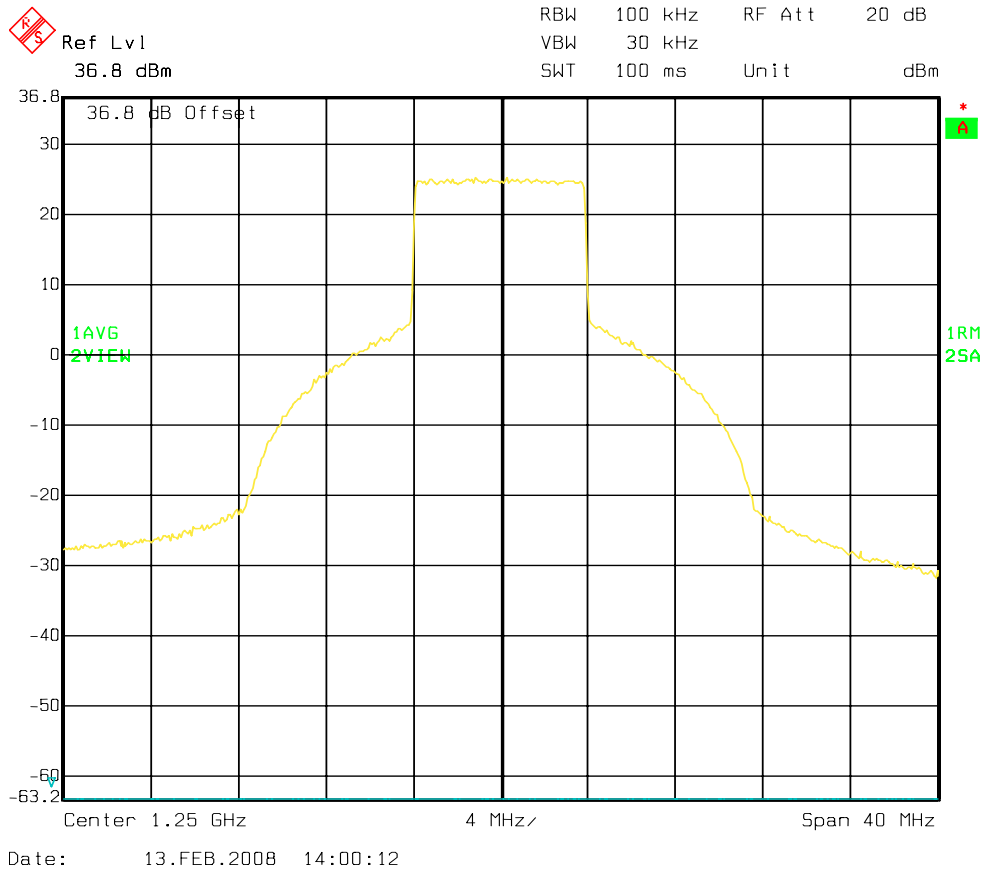
Pin	Description	Values
RF Input	Input Connector (MMCX)	+26 dBm for drive to P1dB
RF Output	Output Connector (MMCX)	+ 36 dBm @ P1dB
GND	Ground Turret	---
+12VDC	DC Input Voltage	+ 12 Volts @ 0.7 Amps

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64QAM COFDM OUTPUT – 32.2 dBm

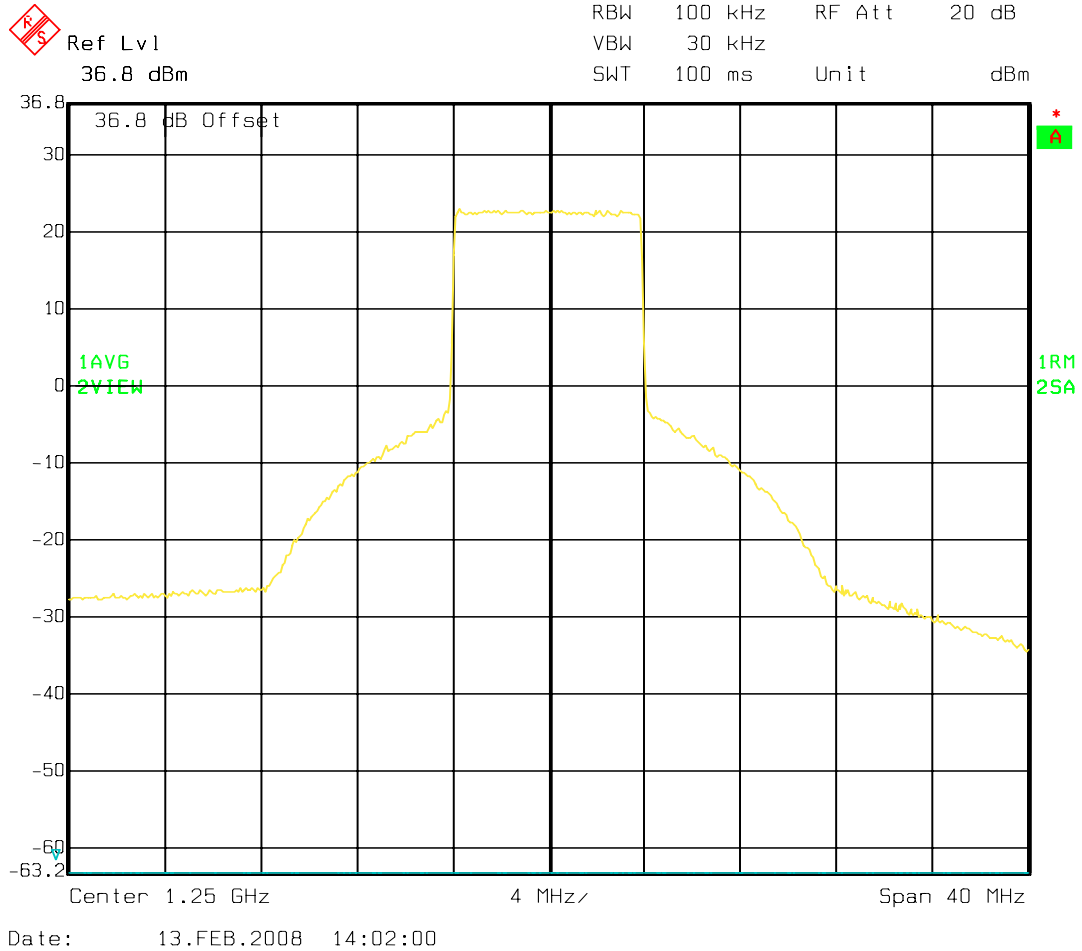


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64QAM COFDM OUTPUT – 30.0 dBm



Specifications subject to change without notice.