

2W Ka Band 30-40 GHz Solid State Power Amplifier

Features:

- >20 dB gain typ.
- High Power, 2W typ.
- Single 8V Supply
- Internally regulated
- Internal bias sequencing
- Reverse polarity protected



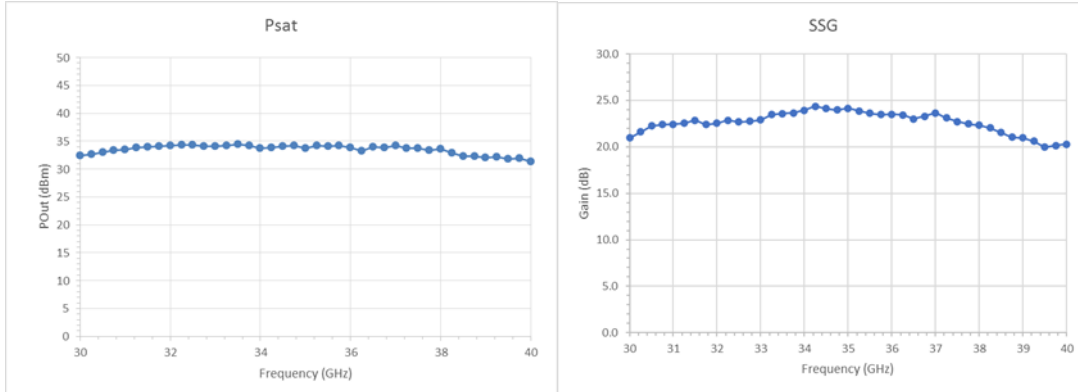
Applications

These self-contained amplifier modules provide convenient and reliable amplification for applications such as radar, communications and test and measurement. The unit is internally regulated and requires only a single power supply. Internal electronics sequence the RF GaAs FETs automatically. Both input and output are UG-599/U WR-28 square flange compatible. The housing is gold plated aluminum and provides excellent thermal heatsinking of the active semiconductors to the base for reliable continuous operation. Two #4 clearance holes are provided for mechanical mounting. The unit should be mounted to a heat plate. Consult factory for options such as convection heat sink and TTL controlled pulse modulation.

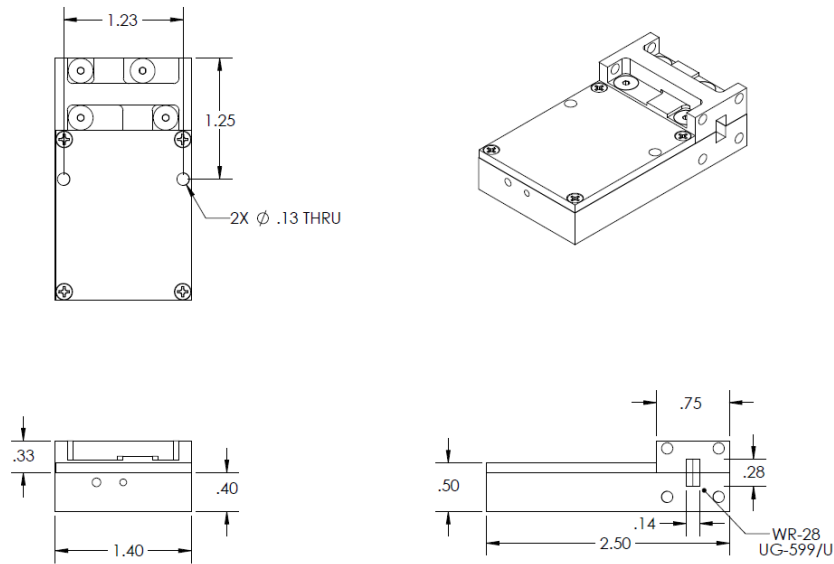
Specifications

Parameter	Specification @25C	Notes
Frequency Range	30-40 GHz	
Gain	20dB typ.	
Psat	33 dBm typ., 30-38 GHz	See typ. data
Input Connector	UG-599/U WR-28 square flange	
Output Connector	UG-599/U WR-28 square flange	
DC	8V@2A typ.	
Temperature	-20 to +50C	
Material (housing)	Gold-Plated Aluminum 6061	

Measured Data (typ.)



Outline Drawing (inches)



Ordering Information

Part Number: 200319-01	2W Ka Band 30-40 GHz Solid State Power Amplifier
ECCN:	3A001.b.4.c

Specifications subject to Change without notice.