



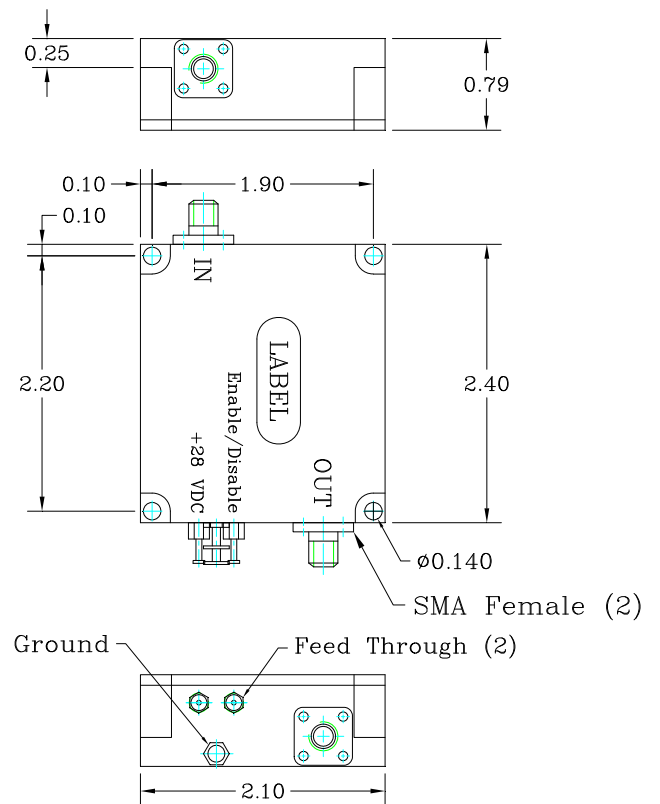
The MP1500/2G/01SK-A1 is a broadband amplifier 500 ~ 2500 MHz. It employs linear GaN power devices that provide high efficiency, ample output power, wide dynamic range, and high gain.



Model: MP1500/2G/01SK-A1

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	500 ~ 2500 MHz	
Power Gain	30 (Typ.)	Pout @ +30 dBm
Gain Flatness	± 2.0 dB (Max.)	Pout @ +30dBm
Gain Variation	± 1.0 dB	Over Temperature Range
Output Psat	+31 dBm (Min.)	
Input Return Loss	-14 dB (Max.)	
HPA Enable/Disable	TTL "Low or Open" ⇒ Enable TTL "High" ⇒ Disable	# 4-40 Feedthru
HPA Switching ON/OFF Speed	5 µSec	Including Delay
Harmonics	-15 dBc (Typ.)	Pout @ +30 dBm
DC Input Voltage / Current	+28 VDC / 0.3 A (Max.)	DC Input Voltage / Current @ Pout @ + 30 dBm CW
Input /Output Impedance	50 Ω	
Capable of Handling VSWR	6:1	
Input Max. without Damage	+ 10 dBm	

4. Outline Drawing



2. Mechanical Characteristics		
RF IN/OUT Connector	SMA 4 Hole –Female	
DC Input	#8 Feed-thru	
Enable/Disable	#4 Feed-thru	
Dimensions	2.4" x 2.1" x 0.79"	
Weight	0.20 lb	

3. Environment Characteristics		
Operating Temperature	-20°C ~ +80°C	Base Plate

Revision History			
REV	Reason to Change	Date	Initialed by
A			