


**FEATURES**

- Small form factor rack-mounted system
- Class AB linear GaN design
- Instantaneous S-Band octave bandwidth
- Suitable for linear high peak pulse applications
- Built-in protection circuits
- Versatile interface options
- High reliability and ruggedness

**ELECTRICAL SPECIFICATIONS**

Parameter	Specification			Notes	
Operating Frequency Range	2.0 - 4.0 GHz				
Power Output @ Peak Pulse	4.0 KW Min			Peak Pulse	
Input Pulse Characteristics	<b>Width</b>	<b>Duty</b>	<b>PRF</b>	<b>Droop</b>	
	up to - 100 $\mu$ S	6 % Max	1 - 10 KHz	<1 dB	
Power Gain	66 dB Min				
Power Gain Flatness	2.0 dB p-p Max			Constant input power	
Input Return Loss	-10 dB Max			Relative to 50 $\Omega$	
Noise Figure	10 dB Typ				
Output Power On/Off Ratio	-80 dB Max			TTL Gate Control	
Harmonics	<-20 dBc Typ			At rated output power	
Spurious	-60 dBc Max			Non-harmonics	
Operating Voltage	100 - 240 VAC			50 - 60Hz	
Power Consumption	1.5 KW Max			At rated Pout	
Input Power Protection	+8 dBm Max			<10Sec without damage	
Load VSWR	Full spec @ 1.5 : 1 & Operational @ 2 : 1				

**ENVIRONMENTAL CHARACTERISTICS**

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 $^{\circ}$ C	
Storage Temperature	-40 to +85 $^{\circ}$ C	
Relative Humidity	5 to 95 %	Non-condensing

**MECHANICAL SPECIFICATIONS**

Parameter	Specification	Notes
Dimensions W x H x D	10U	Rack mount chassis
Weight	40 Kg.	
RF Connectors In / Out / Sample	RF Input Type-N Female RF Output SC Female RF Sample Type-N Female	Front Panel Rear Panel Front Panel
Gate Control	BNC Female	Front Panel
AC Power / Interface Connector	MS / D-Sub	
Cooling	Built in Fan Cooling	Variable speed
<b>Standard</b> Digital Monitor & Control: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB, GPIB Interface	

**OUTLINE DRAWING - 10U**

