

## DESCRIPTION

This class A GaAs module is designed for both military and commercial applications. It is capable of supporting any signal type and modulation format, including but not limited to 3-4G telecom, WLAN, OFDM, DVB, and CW/AM/FM. The latest device technologies and design methods are employed to offer high power density, efficiency, and linearity in a small, lightweight package.



## FEATURES

Thermal Shutdown  
Current Sense  
RF Sample Port  
Under Voltage

Forward Power Measurement  
Optional Heatsink  
Over Voltage

Specifications subject to change without notice. Typical performance at 12.0VDC at 25°C in a 50Ω system

RF / ELECTRICAL				
PARAMETER	MIN	TYP	MAX	UNIT
Operating Frequency	2500		2700	MHz
P1dB Power Output		41.0		dBm
PSat Power Output		42.0		dBm
Gain		55.0	v	dB
Gain Flatness		1.0		dB
Linear Power		34.0		dBm
Input Return Loss	-16	-18		dB
Operating Voltage	11.0	12.0	13.0	VDC
Current Draw		5.5	6.0	A
Quiescent Current Draw				A
Switching Time		1.0	2.0	uS

MECHANICAL		
PARAMETER	VALUE	UNIT
Dimensions (L x W x H)	6x3.5x0.693	in
RF Connectors (Input / Output)	SMA-F / SMA-F	--
DC / Control Connector	7W2 Male	--
Cooling	Baseplate Conduction - Optional Heatsink Available	--
Mounting		--
Weight	14	oz
Weight with Heatsink	24	Oz



ENVIRONMENTAL / PROTECTIONS			
PARAMETER	MIN	MAX	UNIT
Operating Temp. (Housing Temp.)	-40	85	°C
Storage Temp Range	-60	100	°C
Humidity Range	0-100		%
Altitude	0-30,000		ft.
Shock / Vibration	MIL-STD-810 and equivalents		--
Max RF Input	-10.0		dBm
Load VSWR @ P1dB	Open / Short Output Protection		--
PA Baseplate Shutoff Temperature	85		°C