

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

Optional Heatsink

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

RF / ELECTRICAL				
PARAMETER	MIN	TYP	MAX	UNIT
Operating Frequency	13500		14500	MHz
P1dB Power Output				dBm
PSat Power Output				dBm
Gain			v	dB
Gain Flatness				dB
Linear Power				dBm
Input Return Loss		0		dB
Operating Voltage				VDC
Current Draw				A
Quiescent Current Draw				A
Switching Time				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	Feedthru Pins	--
Cooling	Baseplate Conduction - Optional Heatsink Available	--
Mounting	4-40 Threaded Holes	--
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			dBm
Load VSWR @ P1dB	Open / Short Output Protection		--
PA Baseplate Shutoff Temperature	85		°C