

Features

- ◆ Broadband Power Amplifier
- ◆ Class AB linear GaN design
- ◆ High reliability and ruggedness
- ◆ 50 ohm input/output impedance

Applications

- ◆ Test Equipment
- ◆ Communication Systems



Electrical Specifications: 50Ω, 25°C

Parameter	Min	Typ	Max	Units
Operating Frequency	0.1		1000	MHz
RF Power Output CW	39	40		dBm
Output Power for 1 dB Compression (P1dB)		36		dBm
Gain	40	43		dB
Gain Flatness		±2	±3	dB
Input VSWR		1.5		:1
Harmonics		-15		dBc
Spurious			-60	dBc
Supply Voltage		28	30	V
Supply Current		0.9	1.3	A
Input RF drive level without damage			+5	dBm

Environmental Specifications

Operating Case Temperature	-40°C to +85°C
Storage Temperature	-50°C to +105°C

Mechanical Specifications

Dimensions (Excluding Connectors)	128 X 63 X 31 mm
RF Connectors	SMA-Female
DC Interface Connector	Feed Thru
Weight	500g
Cooling	Forced air required





