

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	0.02		1	GHz
RF Power Output CW	43	44		dBm
Output Power for 1 dB Compression (P1dB)	40	42		dBm
Gain	43	45		dB
Gain Flatness		±3	±4	dB
Input VSWR		1.5	2	:1
Harmonics		-15	-10	dBc
Spurious			-60	dBc
Supply Voltage		28		V
Supply Current		2	3	A
Input RF drive level without damage			+7	dBm

Environmental Specifications

Operating Case Temperature	-40°C to +70°C
Storage Temperature	-50°C to +105°C

Mechanical Specifications

Dimensions (Excluding Connectors)	96 X 48 X 15 mm
RF Connectors	SMA-Female
DC Interface Connector	Feed Thru
Weight	-
Cooling	Forced air required





