

Features

- ◆ Broadband Power Amplifier
- ◆ Class AB linear LDMOS 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	0.001		1	GHz
RF Power Output CW	44	45		dBm
Output Power for 1 dB Compression (P1dB)	42	43		dBm
Gain	46	48		dB
Gain Flatness		±2	±3	dB
Input VSWR		1.5		:1
Harmonics		-15		dBc
Spurious			-60	dBc
Supply Voltage		28	30	V
Supply Current		1.3	6	A
Input RF drive level without damage			+3	dBm

Environmental Specifications

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

Mechanical Specifications

Dimensions (Excluding Connectors)	200X 120 X 25 mm
RF Connectors	SMA-Female
DC Interface Connector	Feed Thru
Weight	500g
Cooling	Forced air required





