

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	0.01		30	MHz
RF Power Output CW	40	40.5		dBm
Output Power for 1 dB Compression (P1dB)	38	39		dBm
Gain	35	37		dB
Gain Flatness		±2		dB
Input VSWR		1.5		:1
Harmonics		-15		dBc
Spurious			-60	dBc
Supply Voltage		28	30	V
Supply Current		1.0	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)	120 X 65 X 50 mm
RF Connectors	SMA-Female
DC Interface Connector	Feed Thru
Weight	500g
Cooling	Forced air required





