

Features

- ◆ Broadband Power Amplifier
- ◆ Class AB linear LDMOS design
- ◆ Built-in protection circuits
- ◆ 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		1	GHz
RF Power Output CW	40	42		dBm
Output Power for 1 dB Compression (P1dB)	38	39		dBm
Gain	32	33		dB
Gain Flatness		±2		dB
Gain Variation Over Temperature (-30°C to +65°C)		±3		dB
Input VSWR		1.5		:1
Harmonics		-10		dBc
IMD3, 2-Tone @ 30dBm/Tone, 1MHz Spacing		-15		dBc
Spurious			-60	dBc
Isolation S12		-45		dB
Supply Voltage		28		V
Supply Current		0.2	2	A
Input RF drive level without damage			+10	dBm

Environmental Specifications

Operating Case Temperature	-30°C to +60°C
Storage Temperature	-50°C to +105°C

Mechanical Specifications

Dimensions (Excluding Connectors)	76 X 48 X 15 mm
RF Connectors	SMA-Female
DC Interface Connector	Feed Thru
Weight	-
Cooling	Forced air required





