

Features

- ◆ Broadband Power Amplifier
- ◆ Class AB 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	0.5		6	GHz
RF Power Output CW	43	44		dBm
Output Power for 1 dB Compression (P1dB)		41		dBm
Gain	43	44		dB
Gain Flatness		± 5		dB
Input VSWR		1.5		:1
Harmonics		-15	-9	dBc
IMD3, 2-Tone @ 37dBm/Tone, 1MHz Spacing		-25		dBc
Spurious			-60	dBc
Supply Voltage	26	28	30	V
Supply Current(VCC=28V)		0.7	6	A
Input RF drive level without damage			+5	dBm

Environmental Specifications

Operating Case Temperature	-30°C to +70°C
Storage Temperature	-50°C to +105°C

Mechanical Specifications

Dimensions (Excluding Connectors)	200 X 120 X 25 mm
RF Connectors	SMA-Female
DC Interface Connector	Solder Pin
Weight	-
Cooling	Forced air required (Option)





