

Product Features

- High power RF amplifier
- Solid State power amplifier
- High linearity and high efficiency
- 50 ohms input / output impedance

Application

- DCS1800 Repeater

Electrical Specification



High Power DCS RF Amplifier

Parameter	Specification	Remark
Frequency Range	1805MHz~1880MHz	75MHz BW
Output Power	+35dBm	2 tone Spacing : 600kHz
Gain	45dB±1dB	
Gain Flatness	1dB peak to peak	
Gain Variation Over Temp.	±1dB max	
IMD	< -31dBm	@2 tone 32dBm each
Input VSWR	1.5:1 max.	
Output VSWR	1.5:1 max.	
Normal Operating Voltage	+27V	
DC Current Consumption	3.5A max.	
Enable	TTL Low Active	
Output Detect	+4.0V @Po=35dBm	0.1V/dB



Environmental Specification

Parameter	Specification	Remark
Operating Temperature	0°C~+65°C	
Storage Temperature	-20°C~+80°C	
Relative Humidity	0%~90%	Non-condensing

Mechanical Specification

Physical Dimension : 125mm X 105mm X 25mm

Pin Assignment

I/O Interface (D-Sub 9Pin Male)	1. Enable	Active Low
	2. Power Monitor	4.0V@Po=+35dBm, 0.1V/dB
	3. VSWR Alarm	
	4. Over Temp. Alarm	Only Alarm@+85°C±5°C
	5. N.C	
	6,7. VCC	+27V
	8,9. GND	



Outline Drawing

