

## Product Features

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

## Application

- WCDMA Repeater



WCDMA Multi Carrier RF Amplifier

## Electrical Specification

Parameter	Specification	Remark
Frequency Range	2130MHz~2150MHz	20MHz BW
Output Power	8W (+39dBm)	WCDMA 4FA
Gain	59dB±1dB	
Gain Flatness	1dB peak to peak	
Gain Variation Over Temp.	±1dB max	
ACLR	±5MHz < -50dBc ±10MHz < -52dBc	RBW 30kHz
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=+39dBm	0.1V/dB
ALC	+40dBm±0.5dB	Over 10dB Range



### Environmental Specification

Parameter	Specification	Remark
Operating Temperature	-30°C~+60°C	
Storage Temperature	-40°C~+85°C	
Relative Humidity	0%~90%	Non-condensing

### Mechanical Specification

Physical Dimension : 120mm X 100mm X 22mm

### Pin Assignment

I/O Interface (D-Sub 15Pin Male)	1. Power Monitor	4.0V@Po=39dBm, 0.1V/dB
	2. Over Power Alarm	Po=+42dBm
	3. VSWR Alarm	
	4. Temp. Monitor	
	5. Over Temp Alarm	Alarm& Shutdown +90°C ↑ Auto Recovery +80°C ↓
	6~9. GND	
	10. Enable / Disable	TTL Low
	11~15. VCC	+27V



## Outline Drawing

