

Product Features

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

Application

- TRS Repeater



TRS Multi Carrier RF Amplifier

Electrical Specification

Parameter	Specification	Remark
Frequency Range	851MHz~866MHz	15MHz BW
Output Power	20W(+43dBm)	
Gain	54dB±1dB	
Gain Flatness	1dB peak to peak	
Gain Variation Over Temp.	±1dB max	-20°C~+60°C
IMD	< -60dBc	CW 10 tone, Sp. 25kHz
Harmonic	-45dBc max	
Input VSWR	1.5:1 max.	
Output VSWR	1.5:1 max.	Isolator Applied
Normal Operating Voltage	+27V	
DC Current Consumption	7.5A max.	
Enable	TTL Low Active	
Output Detect	4.0V @Po=+43dBm	0.1V/dB



Environmental Specification

Parameter	Specification	Remark
Operating Temperature	-20°C~+60°C	
Storage Temperature	-40°C~+85°C	
Relative Humidity	0%~90%	Non-condensing

Mechanical Specification

Physical Dimension : 150mm X 185mm X 28mm

Pin Assignment

I/O Interface (D-Sub 9Pin Male)	1. Over Power Alarm	Po=+45dBm
	2. Over Temp. Alarm	Alarm &Shutdown +90°C ↑ Auto Recovery +70°C ↓
	3. VSWR Alarm	Over 3:1
	4. Temp. Monitor	$V_o=(T / 100)+500mV$
	5. Alarm Status	Shutdown High
	6. GND	
	7. Power Monitor	4.0V@Po=+43dBm
	8. Enable/Disable	Enable : Low or open
	9. GND	
I/O Interface (3W3P Male)	A1. VCC	+27V
	A2. GND	
	A3. N.C	



Outline Drawing

