900MHz-960GHz 140W Broadband Power Amplifier Module Technical Specification

1、 Interface definition:

serial number	Pin Number	Pin Definition	Remark
Power supply interface	red	+28V power supply	+28V power supply
	black	GND	Ground (shared with module housing)
	1		
	2		
	3		
	4	TTL control	High (+5V) on Low (0V) off
	5	NC	spare

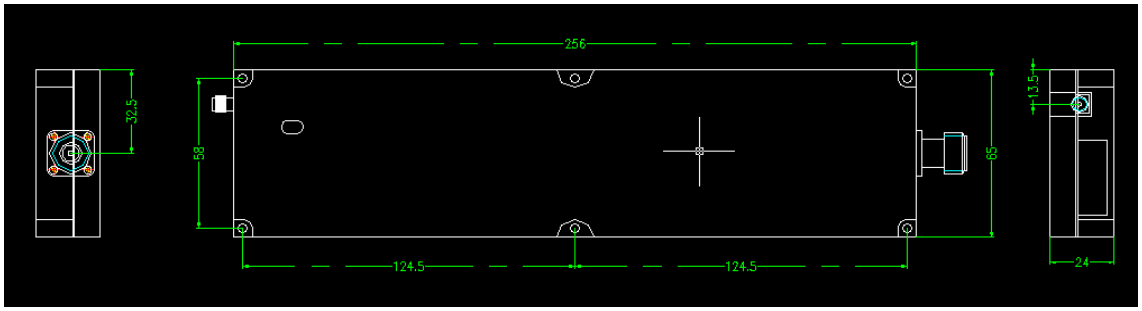
Forward Power Monitoring, VSWR Monitoring, VSWR Protection & Temperature Protection

2、Work Environment

Operating temperature	-40～+55℃
Operating temperature	
Relative humidity	5%～95%, no condensation
Storage temperature	-40～+85℃
RF IN	VCO
RF OUT	N-type head
Power interface	Red and black line

3、Appearance structure dimensions

256*65*24MM



For structural parts drawings, please refer to CAD data

4、Technical indicators

5.1 900-960Mhz

900-960MHz		
index	**parameter**	**Remark**
Operating frequency	900-960MHz	
Output saturation power	≥140W	
In-band gain flatness	≤3.0dB	
Load impedance mismatch (anti-burnout)	6:1	
Working current	≤12A	
Input port standing wave	≤1.5	
Clutter suppression	≥65dBc	
Second Harmonic	≤-12dBc	
RF input interface	VCO	
RF output interface	N-type head	
Power supply and control interface	Red and black line	
Amplifier PTT switch port	The amplifier is off by default, 3.3~5V 28V is on	High level turns on, low level turns off
VCC power supply	+28V	
VCC maximum voltage	+32V	
Dimensions	256*65*24 mm	Without connector
Operating temperature	-25℃~+55℃	
Installation	Heat dissipation at the bottom of the module, installation holes see drawing	

WZ-47 BUDHELLA VILLAGE ,VIKASPURI NEW DELHI-110018
Phone: 011-28533349, Mob: 9810138894/9212558066, Fax: 011-28533349
Email:- info@rfconnector.in, Website:- www.rfconnector.in

1800- 1880 MHz 140W Broadband Power Amplifier Module Technical Specification

5、 Interface definition:

serial number	Pin Number	Pin Definition	Remark
Power supply interface	red	+28V power supply	+28V power supply
	black	GND	Ground (shared with module housing)
	1		
	2		
	3		
	4	TTL control	High (+5V) on Low (0V) off
	5	NC	spare

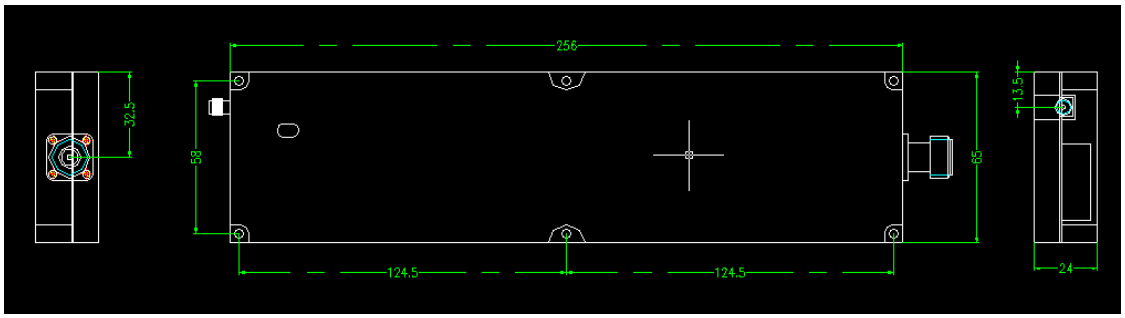
Forward Power Monitoring, VSWR Monitoring, VSWR Protection & Temperature Protection

6、Work Environment

Operating temperature	-40～+55℃
Operating temperature	
Relative humidity	5%～95%, no condensation
Storage temperature	-40～+85℃
RF IN	VCO
RF OUT	N-type head
Power interface	Red and black line

7、Appearance structure dimensions

256*65*24MM



For structural parts drawings, please refer to CAD data

8、Technical indicators

1800- 1880 MHz		
index	**parameter**	**Remark**
Operating frequency	900-960MHz	
Output saturation power	≥140W	
In-band gain flatness	≤3.0dB	
Load impedance mismatch (anti-burnout)	6:1	
Working current	≤12A	
Input port standing wave	≤1.5	
Clutter suppression	≥65dBc	
Second Harmonic	≤-12dBc	
RF input interface	VCO	
RF output interface	N-type head	
Power supply and control interface	Red and black line	
Amplifier PTT switch port	The amplifier is off by default, ~~3.3~5V~~ 28V is on	High level turns on, low level turns off
VCC power supply	+28V	
VCC maximum voltage	+32V	
Dimensions	256*65*24 mm	Without connector
Operating temperature	-25℃~+55℃	
Installation	Heat dissipation at the bottom of the module, installation holes see drawing	

WZ-47 BUDHELLA VILLAGE ,VIKASPURI NEW DELHI-110018
Phone: 011-28533349, Mob: 9810138894/9212558066, Fax: 011-28533349
Email:- info@rfconnector.in, Website:- www.rfconnector.in

2100-2180 MHz 140W Broadband Power Amplifier Module Technical Specification

9、 Interface definition:

serial number	Pin Number	Pin Definition	Remark
Power supply interface	red	+28V power supply	+28V power supply
	black	GND	Ground (shared with module housing)
	1		
	2		
	3		
	4	TTL control	High (+5V) on Low (0V) off
	5	NC	spare

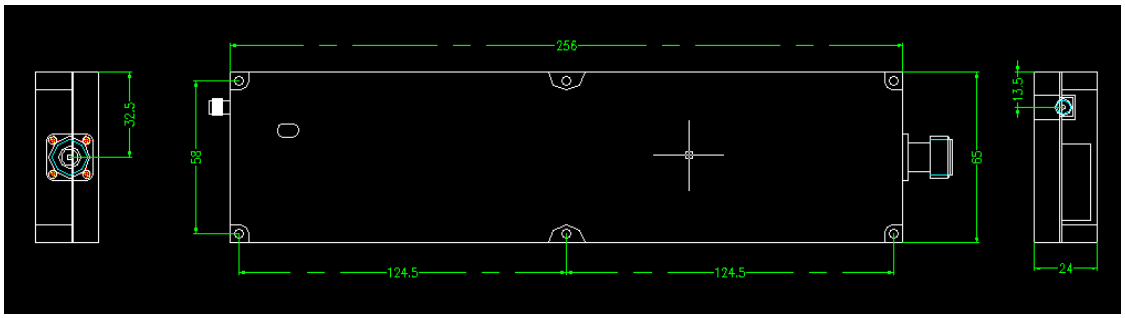
Forward Power Monitoring, VSWR Monitoring, VSWR Protection & Temperature Protection

10、 Work Environment

Operating temperature	-40～+55℃
Operating temperature	
Relative humidity	5%～95%, no condensation
Storage temperature	-40～+85℃
RF IN	VCO
RF OUT	N-type head
Power interface	Red and black line

11、 Appearance structure dimensions

256*65*24MM



For structural parts drawings, please refer to CAD data

12、 Technical indicators

5.1 2100-2180 MHz

index	parameter	Remark
Operating frequency	900-960MHz	
Output saturation power	≥140W	
In-band gain flatness	≤3.0dB	
Load impedance mismatch (anti-burnout)	6:1	
Working current	≤12A	
Input port standing wave	≤1.5	
Clutter suppression	≥65dBc	
Second Harmonic	≤-12dBc	
RF input interface	VCO	
RF output interface	N-type head	
Power supply and control interface	Red and black line	
Amplifier PTT switch port	The amplifier is off by default, 3.3~5V 28V is on	High level turns on, low level turns off
VCC power supply	+28V	
VCC maximum voltage	+32V	
Dimensions	256*65*24 mm	Without connector
Operating temperature	-25℃~+55℃	
Installation	Heat dissipation at the bottom of the module, installation holes see drawing	

WZ-47 BUDHELLA VILLAGE ,VIKASPURI NEW DELHI-110018
Phone: 011-28533349, Mob: 9810138894/9212558066, Fax: 011-28533349
Email:- info@rfconnector.in, Website:- www.rfconnector.in