

## 100W Module Technical Datasheet

### 1.RF DATA

Item	Spec.	Remarks
Frequency Range	300-400 MHz	Bandwidth Range±10MHz
Frequency Range	400-500MHz	Bandwidth Range±10MHz
Frequency Range	500-600MHz	Bandwidth Range±10MHz
Frequency Range	600-700MHz	Bandwidth Range±10MHz
Frequency Range	700-800 MHz	Bandwidth Range±10MHz
Frequency Range	800-900 MHz	Bandwidth Range±10MHz
Frequency Range	900-1000 MHz	Bandwidth Range±10MHz
Frequency Range	1000-1100 MHz	Bandwidth Range±10MHz
Frequency Range	6000-6150 MHz	Bandwidth Range±10MHz
Frequency Range	6150-6300 MHz	Bandwidth Range±10MHz
Frequency Range	6300-6450 MHz	Bandwidth Range±10MHz
Frequency Range	6450-6600 MHz	Bandwidth Range±10MHz
Frequency Range	6600-6750 MHz	Bandwidth Range±10MHz
Frequency Range	6750-6900 MHz	Bandwidth Range±10MHz
Frequency Range	6900-7050 MHz	Bandwidth Range±10MHz
Working Voltage	28V	24-30V
Working current	8 - 14A	output 100W
Analog sweeping speed	/	Lora
Output Power (Max)	50±1 dBm	100W
Gain (Max)	50±1 dB	
Ripple in Band	≤ 3 dB	Peak
Bandwidth adjustment	Yes	By screw
Center adjustment	Yes	By screw
Enable control	Customize	24-28V

Input power (Max)		$\leq +10\text{dBm}$	Optional (If signal source from Subscriber)
Input Signal Source		Built-in high-speed noise modulation signal source	Optional (can customize VCO, DDS or SDR)
Output VSWR		$\leq 1.5$	Inside circulator, VSWR protect
High Low Temperature test	Working Temperature	$-20\sim+65^{\circ}\text{C}$	Working properly
	Gain Stability	$\pm 1\text{ dB}$	at $-20^{\circ}\text{C}\sim+65^{\circ}\text{C}$
	Power stability	$\pm 1\text{ dB}$	at $-20^{\circ}\text{C}\sim+65^{\circ}\text{C}$
Power supply Port		Positive and negative lines	24-28V; GND; (optional: Enable control wire)
Shell Material		Aluminum with natural color oxide sand blasting	
Vibration Need		Meet the load need of moving vehicle	
RF output connector		N-Female	
LED indicator light		Power ON/OFF	
Dimension		150*80*22mm	
Installation Dimension		144.3*74*22 mm	
Screw Size		M2.5	
Weight		800g	

## 2. Size

