

## 100W Module Technical Datasheet

## RF DATA

| ITEM                              |                     | SPECIFICATIONS                 | REMARKS   |
|-----------------------------------|---------------------|--------------------------------|---|
| Frequency Range                   |                     | 1240-1325MHz                   | Bandwidth Range $\pm 10$ MHz                      |
| Working Voltage                   |                     | 28V                            | 24-30V  |
| Analog Sweeping Speed             |                     | 120K(default)                  | 50 KHz-300K customizable                          |
| Output Power (Max)                |                     | $\geq 50$ dBm                  | 100W  |
| Gain (Max)                        |                     | $50 \pm 1$ dB                  |   |
| Ripple in Band                    |                     | $\leq 3$ dB                    | Peak  |
| Bandwidth Adjustment              |                     | Yes                            | By screw  |
| Center Adjustment                 |                     | Yes                            | By screw  |
| Enable Control                    |                     | Customize                      | 24-28V  |
| Output VSWR                       |                     | $\leq 1.5$                     |   |
| High - Low<br>Temperature<br>Test | Working Temperature | $-20 \sim +65^{\circ}\text{C}$ | Working properly                                  |
|                                   | Gain Stability      | $\pm 1$ dB                     | At $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$ |
|                                   | Power stability     | $\pm 1$ dB                     | At $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$ |
| Working Current                   |                     | $\leq 9\text{A}$ @+28V dc;     | CW output 100W                                    |
| Power Supply Port                 |                     | Positive and negative lines    | 24-28V; GND                                       |
| RF Output Connector               |                     | SMA-Female                     |   |
| LED Indicator Light               |                     | Power ON/OFF                   |   |
| Dimension                         |                     | 150*80*23 mm                   |   |
| Installation Dimension            |                     | 144*74*23 mm                   |   |
| Screw Size                        |                     | 4- $\varnothing 3.20$ mm       |   |
| Weight                            |                     | 590g                           |   |

