

## M-DD08@Schottky diodes MMIC

Schottky doubler diodes MMIC module

### Feature:

- Input Freq: 82.5GHz~87.5GHz
- Input Power:350 mW
- Output Power: 80 mW(CW)
- DC:-13V
- Harmonic suppression: -30dBc
- Made in China
- MOQ: 2pcs
- Chip or Package module available

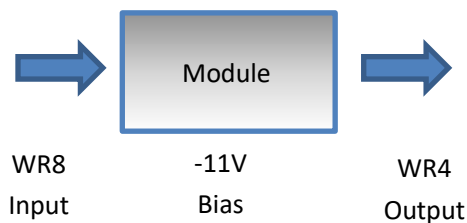
### Electrical Characteristics:

| Item         | Min  | Typ  | Max  | Unit |
|--------------|------|------|------|------|
| Output Freq  | 165  | 170  | 175  | GHz  |
| Input Freq   | 82.5 | 85   | 87.5 | GHz  |
| Input Power  | 100  | 200  | 400  | mW   |
| Output Power | 20   | 50   | 90   | mW   |
| DC           | -9   | -11  | -13  | V    |
| DC           | -    | 0.01 | -    | mA   |

### Maximum Ratings:

|                  |             |
|------------------|-------------|
| Negative voltage | -13 V       |
| Max.Input Power  | 400 mW      |
| Storage Temp     | -60°C~150°C |
| Operating Temp   | -30°C~85°C  |

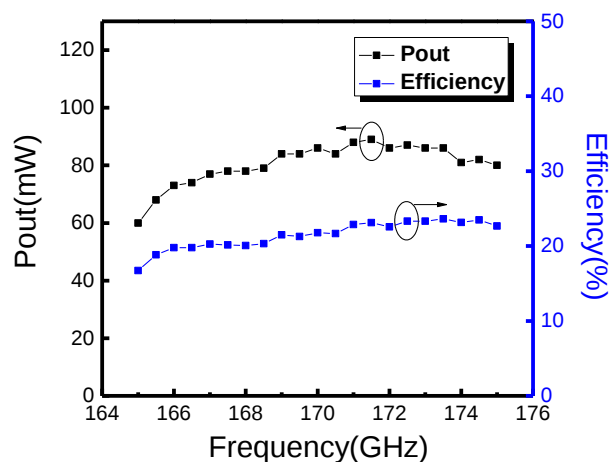
### Assembly Diagram:



Notes: Module size: 22mm\*20mm\*22mm



### Measured Performance:



**Tips:**

- 1) Storage: The module must be placed in a container with static protection function and under nitrogen environment.
- 2) Cleaning treatment: Bare chips must be operated and used in a clean environment, which is prohibited Liquid cleaners clean the chips.
- 3) ESD handling precautions: Please strictly abide by ESD protection requirements to avoid electrostatic damage.
- 4) Routine operation: Use a vacuum chuck or precision pointed tweezers to take the chip. Avoid touching the chip surface with tools or fingers during the operation.
- 5) Power-up sequence: When powering up, first add the grid voltage and then the leakage voltage; when powering down, go first Leakage voltage, then remove the gate voltage.
- 6) Please contact us by [sales@teraradar.com](mailto:sales@teraradar.com) if any questions.