

## M-TD28@Schottky diodes MMIC

Schottky tripler diodes MMIC

### Feature:

- Input Freq:34GHz~38GHz
- Input Power:500 mW
- Output Power: 100 mW(CW)
- DC:17V
- Harmonic suppression: -30dBc
- Made in China
- MOQ: 10pcs
- Chip or Package module available

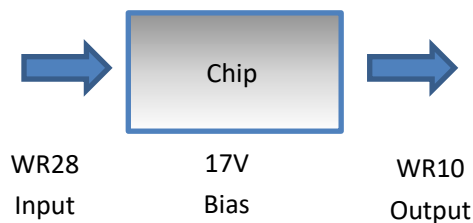
### Electrical Characteristics:

| Item         | Min | Typ  | Max | Unit |
|--------------|-----|------|-----|------|
| Output Freq  | 102 | 108  | 115 | GHz  |
| Input Freq   | 34  | 36   | 38  | GHz  |
| Input Power  | -   | 500  | -   | mW   |
| Output Power | 40  | 120  | 140 | mW   |
| DC           | 5   | 17   | 25  | V    |
| DC           | -   | 0.01 | -   | mA   |

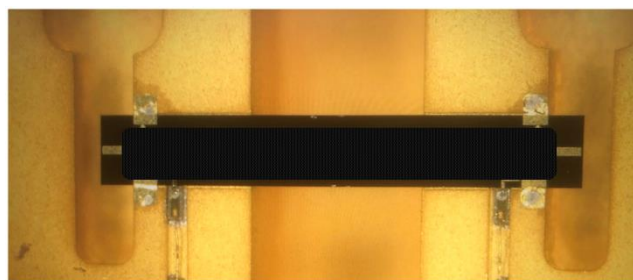
### Maximum Ratings:

|                  |             |
|------------------|-------------|
| Negative voltage | 30V         |
| Max.Input Power  | 500 mW      |
| Storage Temp     | -60°C~150°C |
| Operating Temp   | -30°C~85°C  |

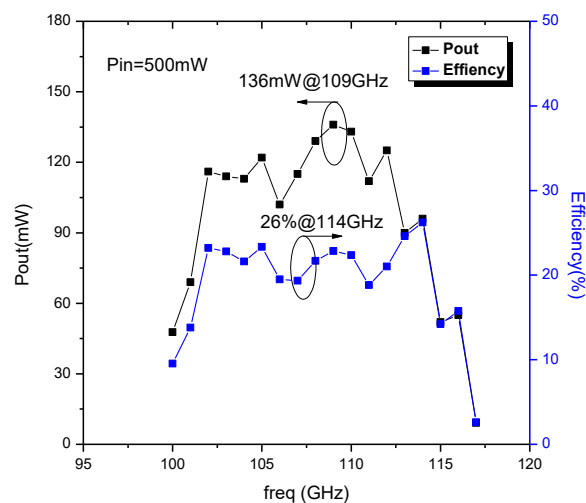
### Assembly Diagram:



- Notes: 1) Length: 4980  $\mu\text{m}$   
 2) Width:730  $\mu\text{m}$   
 3) Thickness: 15  $\mu\text{m}$



### Measured Performance:



**Tips:**

- 1) Storage: The chip 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.