

M-TD12@Schottky diodes MMIC

Schottky tripler diodes MMIC

Feature:

- Input Freq: 71GHz~74GHz
- Input Power:300 mW
- Output Power: 40 mW(CW)
- DC:-12V
- Harmonic suppression: -30dBc
- Made in China
- MOQ: 10pcs
- Chip or Package module available

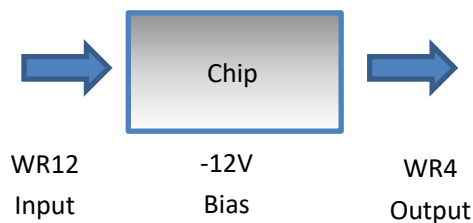
Electrical Characteristics:

Item	Min	Typ	Max	Unit
Output Freq	213	216	222	GHz
Input Freq	71	72	74	GHz
Input Power	-	300	-	mW
Output Power	20	35	45	mW
DC	-15	-12	0	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

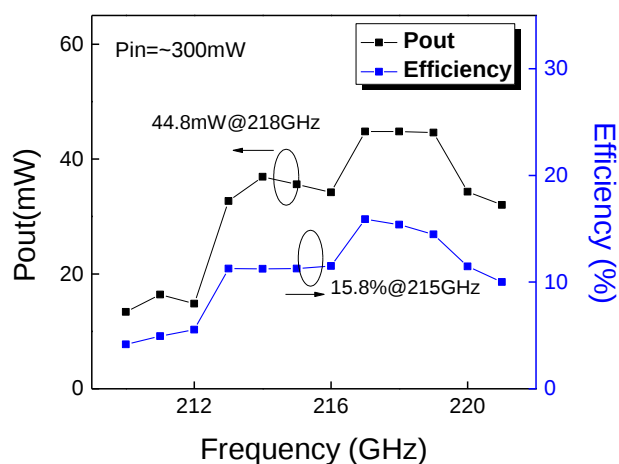
Assembly Diagram:



- Notes: 1) Length: 2400 μm
 2) Width: 470 μm
 3) Thickness: 15 μm



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 if any questions.