Sub-Terahertz source

TeraSchottky

Ultra compact, reliable sub-Terahertz source

High power with up to hundreds of mW

Frequency extensions up to 600 GHz+

Fast frequency switching speed

Lightweight : only 800g

Broad tunable range

100% Plug & Play

The TeraSchottky is a low frequency THz source based on state-of-the-art Schottky diodes multipliers chains. The base unit is available at 75GHz and frequency extension at 150, 300 and 600GHz are available for upgrade. With up to hundreds of mW of average output power, TeraSchottky provides the best compromise between tunability and output power on the market for multiplier-based sources. TeraSchottky is a fully integrated, plug and play system and remotely controlled via a userfriendly software for the best user experience. Derived from European space programs, TeraSchottky guarantees maximum reliability. Lytid's award winning approach to the design of terahertz sources is once again the driving spirit behind TeraSchottky.

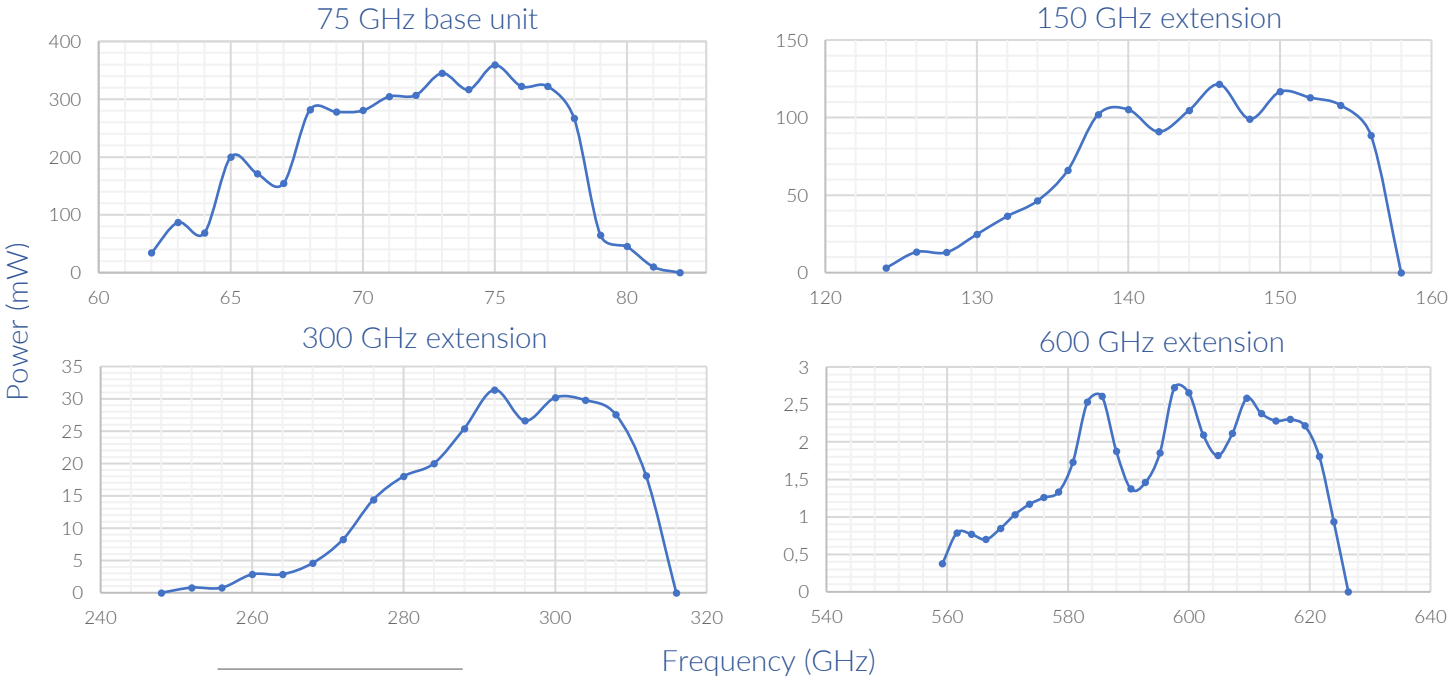
Control:

- ✓ Remote with dedicated software via USB

Connectivity:

- ✓ TRIGGER: SMA with CMOS 3.3 V level
- ✓ 12 V Power supply

Typical performances:



Features:

- Up to hundreds of mW of output power
- Very broad tunable range
- Fast frequency switching
- Easy configuration with the dedicated software
- Fully programmable frequency sweeps, pulse and FM modulations
- Fully integrated & plug and play
- External trigger for: lock-in amplifier, THz cameras, slave mode

Applications:

- High penetration THz imaging
- Detector characterization
- High resolution THz spectroscopy

Specifications	TeraSchottky
Output data	
Operation	CW / ext. trigger
Modulation frequency	Max. 5 kHz
Frequency switching	4 ms
Tunability	>12%
Control	Remote USB
Power supply and operating parameters	
Voltage	12 V
Temperature range	15 – 25 °C
Power consumption	< 50 W
Dimension and weight	
Height	55 mm
Width	130 mm
Length	110 mm
Weight	800 g

Lytid SAS
10 rue A. Domon et L. Duquet
75013 PARIS - FRANCE
@ : sales@lytid.com
✆: +33 6 99 37 50 53
www.lytid.com

Lytid

Empower your application