

- High power output levels 3-30W
- High efficiency
- Low spurious harmonic content
- Low phase and AM noise

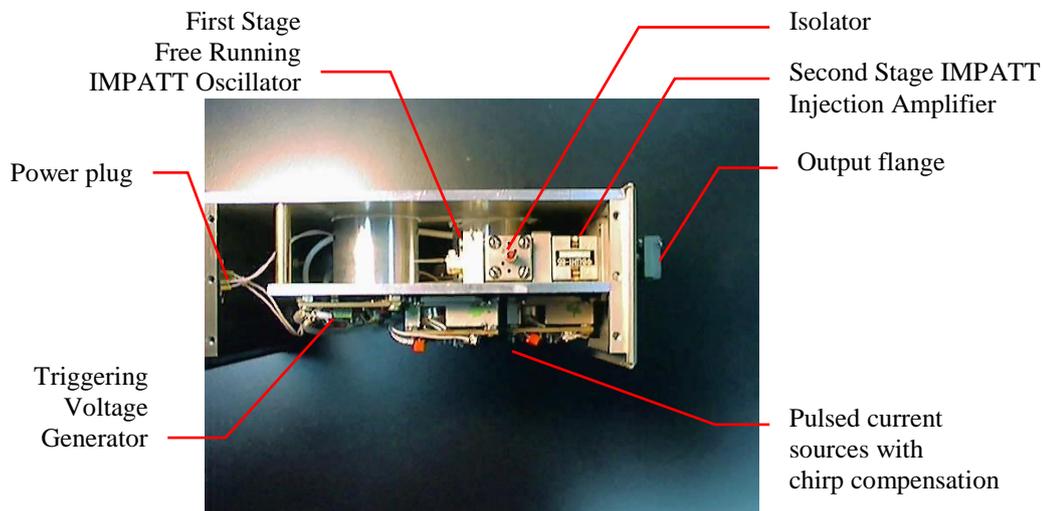
## Applications

- Power sources
- Radars
- Spectroscopy



## Description

The power oscillator consists of a pulsed IMPATT free-running oscillator, a pulsed IMPATT injection amplifier, two current modulators with chirp compensation and triggering voltage generator. Power output is a waveguide flange, triggering pulse output is a coaxial SMA connector



## Common specifications

Fixed Operation Frequency in range, GHz	40 – 150*
Output pulsed power, W	30 – 3*
Pulse width, ns	80
Chirp bandwidth, GHz	0.4
Repetition Frequency, kHz	50
Output	Standard waveguide with UG series flange
DC Power	+48 – +56V DC / 100mA, +12±0.5 / 100 mA

\* Typical performance: 20W at 94 GHz, 3.5W at 140GHz

## How to Order

Specify Model Number PSFR-xx-A, where

- **XX** – center frequency
  - **A** – AC voltage power supply
- 0**= no power supply, **1** = 110 VAC/60Hz, **2** = 220 VAC/50Hz, **3** = 100 VAV/50Hz