

# Oscillators up to 220 GHz



## TECHNICAL SPECIFICATIONS

- **Extremely low phase noise**  
Guaranteed SSB characteristics for precise signal integrity
- **High-purity output signals**  
Minimized harmonics and spurious components
- **Wide frequency ranges**  
PLDROs up to 220 GHz (WR19–WR4), VCOs up to 110 GHz (WR22–WR10)
- **Flexible reference configuration**  
Internal or external reference options depending on system requirements
- **Robust waveguide integration**  
Direct connection without additional converters or coaxial adapters

## APPLICATIONS

5G/6G communication systems  
and test setups

High-frequency test and  
measurement and calibration

Millimeter-wave radar systems  
(automotive ADAS, industrial)

SATCOM and defense  
applications

RF-over-fiber (ROF) and  
wireless backhaul systems

Spectrum analysis and network  
analyzer sources