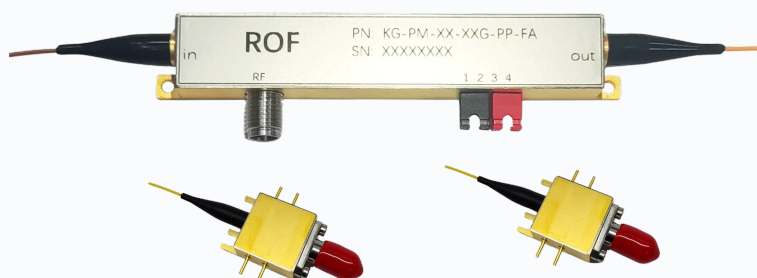


Electro-Optic Modulators up to 65 GHz



TECHNICAL SPECIFICATIONS

- **Phase Modulators**
Operating bandwidth up to 40 GHz, available at 780 nm, 850 nm, 1064 nm, 1310 nm, and 1550 nm
- **Intensity Modulators**
High-speed modulation to 50 GHz across standard telecommunications wavelengths
- **Thin-Film Lithium Niobate Modulators**
Extended performance to 65 GHz at 1550 nm with reduced electrical drive requirements
- **Single Side-Band Modulators**
Narrowband operation across 1–20 GHz frequency range for suppressed-carrier applications
- **Acousto-Optic Modulators**
Precision frequency control and beam steering capabilities
- **Integrated Driver Electronics**
Modulator drivers and amplifiers supporting frequencies to 40 GHz, bias controllers, and polarization management systems

APPLICATIONS

5G/6G & Telecommunications:
Coherent optical
communications and fronthaul
networks requiring high-speed
RF-to-optical conversion

SATCOM & Defense: mmWave
modulation with optical
distribution for satellite and
radar systems

Microwave Photonics: Photonic-
assisted RF signal processing
and high-bandwidth fiber-optic
sensor systems

Research & Development:
Quantum optics, interferometric
research, and ultrafast laser
pulse shaping