



MAXWELLON MXOA

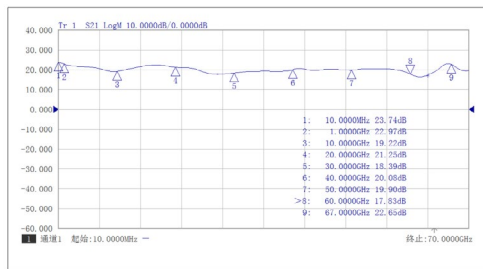
50kHz to 67GHz

Ultra-Wideband Optical Modulation Amplifier
2025

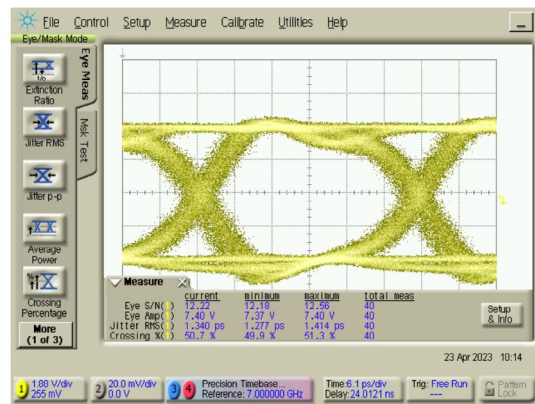
The MXOA series Ultra-Wideband Optical Modulation Amplifier cover a frequency range from 50kHz to 67GHz. They utilize thin-film hybrid integration technology, offering features such as broad frequency bandwidth, low noise, and excellent consistency. Additionally, these amplifiers have the advantages of compact size, lightweight design, affordability, short delivery cycles, and high performance.

Key Feature

- **Frequency Range:** 50kHz to 67GHz - The MXOA series is designed to operate across a wide frequency spectrum, making it versatile for various applications.
- **Thin-Film Hybrid Integration:** This technology ensures a compact design, low noise, and good consistency in performance.
- **Compact and Lightweight:** The amplifiers are characterized by their small physical footprint and lightweight construction, enhancing their suitability for different applications.
- **Affordability:** The MXOA series provides cost-effective solutions, making it accessible for a range of applications without compromising on performance.
- **Short Delivery Cycles:** The amplifiers offer quick turnaround times, which can be crucial for projects with tight schedules.
- **High Performance:** Despite their small size and affordability, the MXOA series maintains high performance, meeting the requirements of applications in radar, electronic warfare, communication systems, and more.
- **Versatile Applications:** Suitable for ground-based, shipborne, airborne, and other equipment requirements, the MXOA series is a versatile choice for radar systems, electronic warfare applications, communication systems, and more.



Gain vs Frequency 10MHz-67GHz



Output=7.3Vpp@28Gbps, Input=0.5Vpp

Specification

Model	Min	Max	Gain (dB)	P1 (dBm)	NF (dB)	Gain Flatness (±dB)	VSWR	Operating Voltage	Connector
MXOA-000200G30-01	50KHz	20GHz	30	20	5.0	±2.0	2.0	9V	2.92mm
MXOA-000200G30-02	50KHz	20GHz	30	22	3.5	±2.0	1.8	12V	SMA
MXOA-000430G27-01	50KHz	43GHz	27	20	6	±2.5	2.0	8V	2.92mm
MXOA-000670G18-01	50KHz	67GHz	18	15	6	±2.5	2.0	8V	1.85mm
MXOA-000670G20-02	50KHz	67GHz	20	13	5	±2.0	1.8	12V	1.85mm



Maxwellon Electronic Instruments Co.,LTD.

Factory: No.6 Xiangjiang Road, Qingdao 266000, China
Tel: 0086 13816527810

Sales Office: NO.153 Zhuzhou Rd.,Laoshan District, Qingdao 266100, China.
Tel: 0086-532-80977508
Fax: 0086-532-80977508

Sales: Sales@Maxwellon.com
Web: www.maxwellon.com