



MAXWELLON MXOA

30kHz to 67GHz

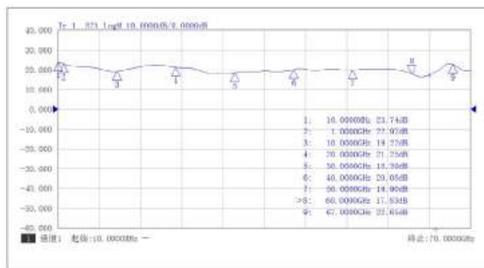
Ultra-Wideband Optical Modulation Amplifier

2023

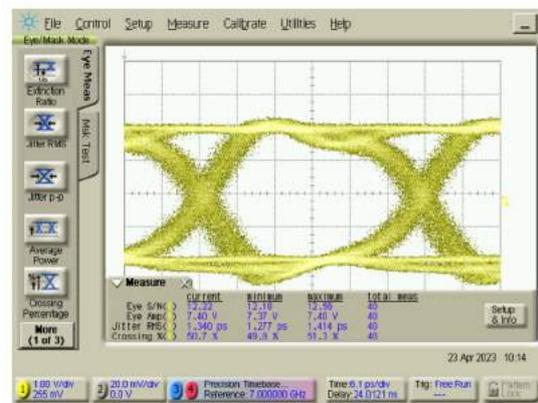
The MXOA series Ultra-Wideband Optical Modulation Amplifier cover a frequency range from 30kHz to 67GHz. They utilize thin-film hybrid integration technology, offering features such as broad frequency bandwidth, low noise, and excellent consistency. Additionally, these amplifiers have the advantages of compact size, lightweight design, affordability, short delivery cycles, and high performance.

Key Feature

- **Frequency Range:** 30kHz 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



Specification

Model	Min	Max	Gain (dB)	P1 (dBm)	NF (dB)	Gain Flatness (±dB)	VSWR	Operating Voltage	Connector	Dimensions (mm)
MXOA-000200G30	30kHz	20GHz	15/30	22	3	2.0	1.5	9V	2.92mm	60*30*10
MXOA-000470G27	50kHz	43GHz	17/27	20	5	2.0	1.5	9V	2.92mm	60*30*10
MXOA-000550G23	50kHz	55GHz	12/23	15	6	2.0	1.5	9V	2.4mm	60*30*10
MXOA-000670G18	50kHz	67GHz	18	13	6	2.0	1.5	9V	1.85mm	60*30*10



MAXWELLON

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