



MAXWELLON MXZA

10kHz to 36GHz

Medium Power Amplifier

2023

The MXZA series Medium Power Amplifier cover a frequency range from 10kHz to 36GHz($p1 \leq 30\text{dBm}$). 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:** 10kHz to 36 GHz($p1 \leq 30\text{dBm}$) - The MXZA 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 MXZA 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 MXZA 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 MXZA series is a versatile choice for radar systems, electronic warfare applications, communication systems, and more.

Specification

Model	Min	Max	Gain (dB)	P1 (dBm)	NF (dB)	Gain Flatness (\pm dB)	VSWR	Operating Voltage	Connector	Dimensions (mm)
MXZA-000030G23	10kHz	3GHz	14	23	3.0	2.0	2.5	12V	SMA-K	83*35*16.5
MXZA-001015G23	100MHz	1.5GHz	13	23	3.0	2.0	1.5	12V	SMA-K	35*18.6*10.2
MXZA-000025G21	100kHz	2.5GHz	30	21	3.0	3.0	2.0	12V	SMA-K	83*35*16.5
MXZA-001030G22	100MHz	3GHz	30	22	2.0	1.5	2.0	12V	SMA-K	83*35*16.5
MXZA-001040G23	100MHz	4GHz	38	23	3.0	2.5	2.0	12V	SMA-K	70*45*18
MXZA-001060G20	100MHz	6GHz	38	20	2.5	2.5	2.0	12V	SMA-K	70*45*18
MXZA-001060G24	100MHz	6GHz	32	24	2.5	2.5	2.0	12V	SMA-K	70*45*18
MXZA-001100G23	100MHz	10GHz	30	23	2.5	2.5	2.0	12V	SMA-K	45*43*16
MXZA-005040G23	500MHz	4GHz	30	23	3.0	2.0	2.0	12V	SMA-K	70*45*18
MXZA-005060G23	500MHz	6GHz	30	23	3.0	2.0	2.0	12V	SMA-K	70*45*18
MXZA-009018G23	900MHz	1.8GHz	37	23	1.5	1.5	1.5	12V	SMA-K	70*45*18
MXZA-010190G25	1GHz	19GHz	26	25	3.0	2.5	2.5	12V	SMA-K	45*43*16
MXZA-020180G21	2GHz	18GHz	28	21	3.0	2.5	2.5	12V	SMA-K	45*43*16
MXZA-060180G23	6GHz	18GHz	32	23	3.0	2.5	2.5	12V	SMA-K	60*45*18
MXZA-060180G27	6GHz	18GHz	40	27	3.0	2.5	2.5	12V	SMA-K	60*45*18
MXZA-180265G29	18GHz	26.5GHz	34	29	5.0	2.5	3.0	12V	SMA-K	45*43*16
MXZA-330360G23	32GHz	36GHz	20	23	5.0	1.0	2.0	12V	SMA-K	45*43*16
MXZA-210320G22	21GHz	32GHz	32	22	5.0	1.0	2.0	12V	SMA-K	45*43*16



MAXWELLON

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