



MAXWELLON MXAT

0.5GHz ~ 18GHz
Digital Attenuator
2023

The MXAT digital attenuator is primarily used for: 1. Adjusting the size of signals in the circuit. 2. In comparative measurements of circuits, it can be used to directly read the attenuation value of the tested network. 3. Improving impedance matching. If certain circuits require a relatively stable load impedance, an attenuator can be inserted between this circuit and the actual load impedance to buffer impedance variations.

■ Key Feature

- **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 MXAT 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 MXAT 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 MXAT series is a versatile choice for radar systems, electronic warfare applications, communication systems, and more.

■ Specification

Model	Frequency (GHz)	Attenuation Range (dB)	Attenuation Step (dB)	Control Digits	Attenuation Accuracy (dB)	Insertion Loss (dBm)	VSWR
MXAT-0520D	0.5~2	32/64	0.5	6/7	±0.5	1.5	1.5
MXAT-1030D	1~3	32/64	0.5	6/7	±0.5	1.8	1.5
MXAT-2040D	2~4	32/64	0.5	6/7	±0.5	2.0	1.6
MXAT-4080D	4~8	32/64	0.5	6/7	±0.5	2.5	1.6
MXAT-8012D	8~12	32/64	0.5	6/7	±0.5	3.0	1.8
MXAT-6018D	6~18	32/64	0.5	6/7	±0.7	4.0	1.8
MXAT-1060D	1~6	32/64	0.5	6/7	±0.5	5	1.8
MXAT-1012D	1~12	32/64	0.5	6/7	±0.5	3.5	1.8
MXAT-2018D	2~18	32/64	0.5	6/7	±0.5	4.5	2.0



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