Quality&**Precise**

MAXWELLON MXEMCP

10KHz to 18GHz

EMC Test Pulse Power Amplifier

2023

Maxwellon

MXEMCP EMC Test Pulse Power Amplifier utilizes GaN power transistors and wideband power matching synthesis technology. The instrument features a single knob for controlling power output, and the front panel includes a 3.5-inch high-brightness LCD screen indicating the output power value. Due to the implementation of Automatic Level Control (ALC) technology, the output power remains nearly constant even when there are variations in the input power. This ALC technology also contributes to a very flat frequency response over a frequency range greater than multiple octaves. Multiple fans on the rear panel ensure continuous and reliable operation of the instrument.

Key Feature

- **GaN Power Transistors:** The use of Gallium Nitride (GaN) power transistors enhances the amplifier's performance, providing efficient and high-power amplification.
- **Wideband Power Matching Synthesis Technology:** This technology allows the amplifier to cover a broad frequency range while maintaining optimal power matching, ensuring consistent performance across different frequencies.
- **Single-Knob Control:** The instrument is designed with user-friendly controls, including a single knob for adjusting power output. This simplifies operation and enhances ease of use.
- **ALC Technology**: Automatic Level Control (ALC) technology ensures that the output power remains nearly constant, even in the presence of variations in input power. This contributes to stable and reliable performance.
- **High-Brightness LCD Screen**: The front panel features a 3.5-inch high-brightness LCD screen, providing clear and easy-to-read information about the output power.
- **Flat Frequency Response:** The ALC technology contributes to a very flat amplitude-frequency response over a wide frequency range, making the amplifier suitable for applications that span multiple octaves.
- **Reliable Cooling System**: The presence of multiple fans on the rear panel ensures effective cooling, allowing the amplifier to operate continuously and reliably.
- **Versatile Applications:** The amplifier is designed for applications in Electromagnetic Compatibility (EMC) testing, where its wide frequency coverage and stable performance are critical.

Specification

Model	Min	Max	Gain (dB)	Output Power (W)	Gain Flatness (±dB)	VSWR	Connector	Operating Voltage
MXEMCP-000100M-5000PW	10KHz	100MHz	50~67	5000W	±3.0	≤2.0	N-K	AC380
MXEMCP-000400M-2000PW	4KHz	400MHz	50~65	2000W	±3.0	≤2.0	N-K	AC380
MXEMCP-008010G-3000PW	80MHz	1000MHz	50~65	3000W	±3.0	≤2.0	N-K	AC380
MXEMCP-010020G-3000PW	1GHz	2GHz	40~65	3000W	±3.0	≤2.0	N-K	AC380
MXEMCP-020040G-3000PW	2GHz	4GHz	40~65	3000W	±3.0	≤2.0	N-K	AC380
MXEMCP-040080G-2000PW	4GHz	8GHz	40~65	2000W	±3.0	≤2.0	N-K	AC380
MXEMCP-080180G-2000PW	8GHz	18GHz	40~65	2000W	±3.0	≤2.0	N-K	AC380

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