

Medium Power Amplifiers Extend High Performance Low Noise Amplifier Family

Featuring 1 Watt Output over Multi-Octave Bandwidth, Integrated Protection and On/Off Capability, Combined with Low Noise Figure



Extending their widely-used low-noise amplifiers (LNA) family, Narda-MITEQ is introducing a family of Medium Power Amplifiers (MPAS). MPAS amplifiers are universal broadband devices and are often used as gain blocks, drivers or intermediate-stage amplifiers. Because the new Narda-MITEQ MPAS's deliver a 1 Watt of linear power (P1dB) and a low Noise Figure (NF), an MPAS amplifier can be used as either a low-noise input stage or as the only amplifier in the receiver chain, **delivering significant cost savings**.

Narda-MITEQ's MPAS's also feature **multi-octave bandwidth** ranging from L to K band (2 to 20GHz), built-in thermal protection and reset, and over/under current alarm. The new family also offers improved matching for ease of design and integration, and reduced power consumption through electronic (TTL) On\Off switch capability.

The key benefit for users: **high performance, extensive capability, cost savings from potential component reduction**.

Narda-MITEQ's Medium Power Amplifiers (MPAS):

- Deliver 1 Watt of linear power (P1dB) and low Noise Figure (NF)
- Feature a multi-octave bandwidth, ranging from L to K band
- Provide built-in thermal protection/reset, and over/under current alarm
- Improve matching for design and integration
- Reduce power consumption with electronic (TTL) On\Off switch capability
- Are **manufactured in the U.S.**, making them the right choice for the demanding requirements of military/defense applications, as well as for all commercial applications

Model Number	Description
MPAS-10-02002000-70-30P	Low-Gain Medium Power Amplifier, 2 to 20GHz, 1Watt
MPAS-28-02002000-70-30P	Medium-Gain Medium Power Amplifier, 2 to 20GHz, 1Watt
MPAS-40-02002000-45-30P	High-Gain Medium Power Amplifier, 2 to 20GHz, 1Watt

