

PA3025-SWP Amplifier



300 to 2500 MHz Broadband 10W Non-Linear | 5W Linear SWP AMP

The PA3025-SWP Amplifier is a compact 10W Non-Linear or 5W Linear, 300 to 2500 MHz amplifier designed for Microhard Pico X and Digital Data Link applications. The PA3025-SWP Amplifier offers a compact, rugged design, featuring high speed automatic Tx/Rx switching.

Features

- Pico-X Compatible
- Designed to operate with a wide number of Microhard Digital Data Links
- Fast switching supporting frequency hopping
- Automatic Tx/Rx Switching
- Digital Transmission Control
- Digital Quiescent Current Control
- Auto On/Off Fan for Cooling Temperature
- Overvoltage Protection
- Status Tx/Rx LEDs
- Lightweight, Compact & Rugged design



COTS - No Export Permit Required

Specifications

Frequency Band	300 to 2500 MHz		Rx/Tx Switching	1 μ s Typical
Tx Power Gain	12 dB		Impedance	50 Ω
Tx O/P Power	<u>Modulation</u>	<u>Power</u>	DC Supply Voltage	32 VDC
	P1dB	10W	Connectors	MMCX Female (Jack) (MODEM, ANT) XT30 Male 2pin (DC Power) 6-Pin Quick Connect
	QAM 16	5W		
QPSK	6W	Weight	Approx. 52g	
Rx Gain	12 dB		Dimensions	36mm x 48mm x 20mm



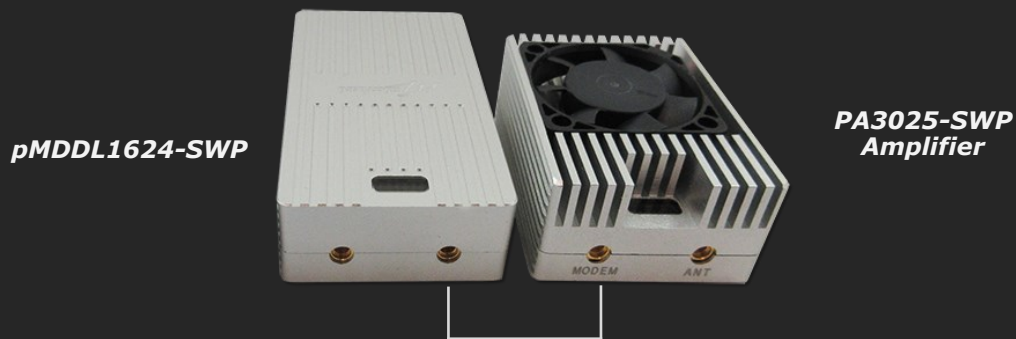
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Connection Diagram

Single SWP Amplifier

Use a Single Amplifier for up to 5W of Power!



Dual SWP Amplifier

Use Dual Amplifiers for up to 10W of Power!

