

## SWP - 1625 to 2400 MHz Linear 5W Amplifier

The PA1650-SWP Amplifier is a compact 5W, 1625 to 2400 MHz linear amplifier. The PA1650-SWP Amplifier offers a compact, rugged design, featuring high speed automatic Tx/Rx switching. For use with pMDDL Digital Data Links for up to 100km range.

### Features

- Rx Band-pass Filtering
- 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	1625 to 2400 MHz		Rx/Tx Switching	1 $\mu$ s Typical
Tx Power Gain	12 dB		Impedance	50 $\Omega$
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

### Contact Information

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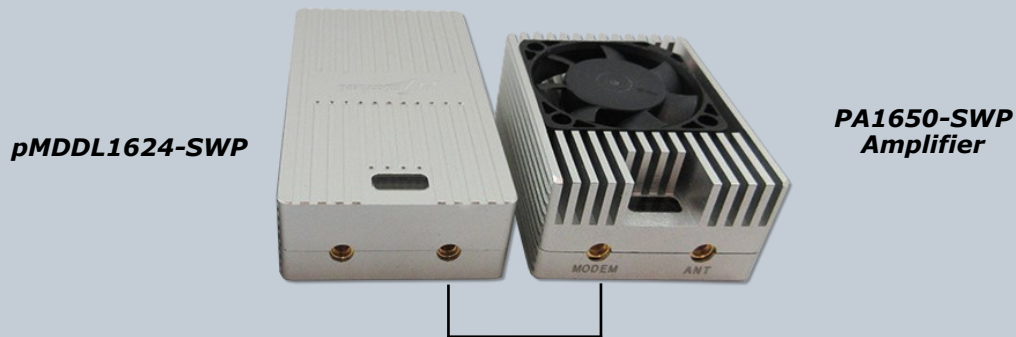
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Specifications subject to change without notice.

## 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!**

