



ARINC 781 Compliant 50 Watt Flange Mount HPA

MODEL: PA-1A6-4747-ACF1



❖ **50 W rated output power enables service flexibility increase and maximizes available spectrum utilization**

❖ **Exceptional intermodulation performance is compatible with legacy diplexer base**

❖ **Designed to qualify under RTCA/DO160E for use in an uninhabited airborne environment**

❖ **Designed in accordance with RTCA/DO178B level D**

❖ **Modular design adaptable to various ARINC™ configurations**

Frequency Range	1626.5-1660.5 MHz
Rated RF Output Power	50 Watt
Odd-order Intermodulation Products, at Rated RF Output	-40 dBc max
Gain at 0 dB Gain Control, over frequency and temperature ranges	42 dB min 46 dB max
Gain Control Range	16 dB
Prime Power	115 VAC Variable Frequency (28 VDC and 400Hz AC models also available)
Prime Power Dissipation	310 Watt max
Operating Temperature	RTCA/DO160E Section 4 Category A1
Loss of Cooling mode	10 Watt Output Power for up to 6 hours at +40°C ambient
VSWR, input and output	1.5:1 max
Reflected Power Protection	no damage, with infinite load VSWR at any phase
BITE and Control Interface	ARINC 429 and RS422 interfaces
Size	per ARINC 781 Attachment 1-7
Weight	20 lbs max

Other airborne HPA models available

Specifications are subject to change without notice. E&OE.

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Response, Innovation, Craftsmanship

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