

TWT Replacement SSPA Kit

Model: NSN-5985-01-324-0709

Product Features

- *Military Approved Design*
- *High Reliability SSPA*
- *Integrated DC-DC Power Converter*
- *Form, Fit and Functional Package*
- *Used in Terrestrial PTP Radios*



Description and Application

UBS manufactures a complete line of solid-state retrofit kits designed to be a direct form, fit and function replacement for TWTs and their associated high voltage power supplies commonly found in present terrestrial point-to-point microwave radio transmitters. The kit includes a 10 W solid-state power amplifier (SSPA) with an integrated DC-DC power converter, mounting hardware, RF cables (if required) and complete installation instructions. No modifications requiring cutting or drilling the existing radio chassis is required. The SSPA depicted above is for a retrofit kit for the AN/FRC-17X microwave radio.

Product Specifications

Available Frequency Ranges	2.1 GHz - 2.3 GHz 4.4 GHz - 5.0 GHz 7.7 GHz - 8.4 GHz 10.7 GHz - 11.7 GHz Other bands are available upon request
RF Output @1dB Gain Compression	+39 dBm
Small Signal Gain	45 dBm min. 52 dB max.
Third Order Intermodulation	-39 dBc
Nominal Input Voltage	-48 VDC or -24 VDC
Nominal Current Consumption	2 A
Operating Temperature	0°C - 50°C
Storage Temperature	-40°C - 70°C
RF Input/Output Interface	SMA-F
DC Input Interface	DA 15 P

(specifications are subject to change without notice)

Ordering Information

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