



225 MHz~3 GHz Bi-directional Amplifier

20 Watt

Item # 70160B

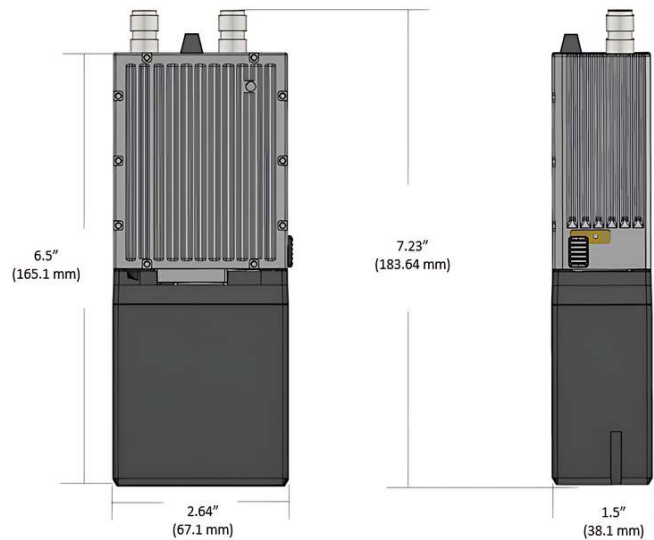
Shireen SWaP series Battery Powered BDA

THE MINIATURE 70-160 WIDE BAND AMPLIFIER IS NOW AVAILABLE WITH A DIRECTLY MOUNTABLE BATTERY PACK, IDEAL FOR QUICK AND SECURE FIELD OPERATION. KEY FEATURES INCLUDE:

- AN/PRC-148@ COMPATIBLE BATTERY MOUNT WITH SECURE LOCK PIN.
- CAN BE USED WITH VARIOUS CAPACITY (AH) BATTERY PACKS
- 12-36 VDC RANGE WITH BDA'S INTEGRATED DC-DC CONVERTER.
- CLOSE TO 6 HOURS OF OPERATION TIME WITH 7AH BATTERY PACK.

SPECIFICATIONS

OPERATING RANGE	225~3000 MHZ
Operating Mode	TDD, TIME DIVISION DUPLEX
Tx Peak Power	43 dBm
Transmit Gain	12 ± 2 dB
Tx Input Power	5 dB min, 34 dB max
T/R Switching	Auto Switching at < 1µs
Rx Gain	12 ± 2 dB
Noise Figure	< 5 dB
LED Indicators	Red for Receive (Default), Green for Transmit.
Battery Pack (Sold Separately)	12-36 VDC: BDA comes with integrated DC-DC Converter.
Est. Operating Time & Power Consumption	5.8 Hrs, 0.74A avg. current draw with 12V, 7Ah, 90% efficiency battery pack @ 915MHz, 10% Tx duty cycle, & 10W Tx output.
Operating Temperature	-40 °C to +70 °C (158 °F) with appropriate heatsinking.



MECHANICAL SPECIFICATIONS

DIMENSIONS	6.5" (165.1 MM) X 2.64" (67.1 MM) X 1.5" (38.1 MM) WITH BATTERY PACK & WITHOUT CONNECTORS.
Weight	27.7 Oz (785.3 g) with battery pack

