

A-320DPA

Dual Port Adapter

Technical Datasheet

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Overview

We designed this simple clip on attachment in response to warfighter requests for dual port capability for their A-320 series amplifiers.

The adapter allows for simultaneous connection of two separate RF antennas for differing frequencies. It also functions as a Low Noise Amplifier (LNA) for UHF SATCOM operation - providing approximately 10dB of gain.

The lightweight A-320DPA installs without tools. When needed, operators simply clip on the A-320DPA to existing lanyard pins on the A-320 and unclip when desired. It's that easy.

Features

- Clips on to any A-320 series amplifier
- Allows for dual antenna use
- LNA functionality for UHF SATCOM
- Utilizes existing A-320 series cables
- Installs without tools

Technical Specifications	
Part No.	A-320DPA
Size H x W x D (inches)	3.7 x 1.5 x 1.6 (excludes connectors)
Weight	12oz.
Frequency Range	ANT1: 30-88 MHz OFF: 30-88 MHz ON-LNA: 30-88 MHz ON-NO LNA: 30-88 MHz ANT2: 116-512 MHz OFF: 116-512 MHz ON-LNA: 116-512 MHz & 292-512 MHz - TX 240-270 MHz - RX ON-NO LNA: 116-512 MHz
Gain	10 dB
Noise Figure	< 3dB
1 dB Compression	22 dBm
Out of Band Rejection	50 dB - 30-220 MHz & 290 MHz
Input Voltage	18-34 VDC
Input Power	2 watts (max)
Input/Output Impedance	50 ohms
Ports	ANT1: 30-88 MHz ANT2: 116-512 MHz
RF Transmit Power	20 watts (max)
Operating Temperature	-30°C to +60°C
Operating Altitude	25,000 ft.
Finish	Black, anodized



A-320DPA pictured on A-320 series amplifier