

DPA3

Power Amplifier



This High Power Amplifier is one in a series that bring a new level of performance and reliability when high power microwave transmission is a must. Packaged in a rugged aluminum housing, the DPA series amplifiers are specifically designed to operate where severe environmental conditions are the norm.

Key Features

[ALC Control](#)

[Pre Distortion Correction](#)

[High efficiency GaN output devices](#)

[and LED indicators and logic telemetry for](#)

[RF OK / REV VSWR](#)

[Dual service HEVC HD Decode*](#)

[IP transport stream input and output with SMPTE 2022-2, SRT and NDI support](#)

[Instantaneous Data to Decision Makers](#)

Typical Applications

[Airborne operations](#)

[Maritime reconnaissance](#)

Technical Specifications	
Input Voltage	<ul style="list-style-type: none">• 12-30VDC (5W)• 12-30VDC (10W)• 20-30VDC (20W)
Power	Target 140W
Input Level	100mW - 500mW
Frequency Band	<ul style="list-style-type: none">• 1.40 to 5.10GHz (5W) available in 500MHz ranges• 1.40 to 5.10GHz (10W) available in 500MHz ranges• 2.00 to 3.41GHz (20W) available in 300MHz ranges
Modulation	2K Carriers DVB-T 6MHz bandwidth
Transmit Power	Available in 5W, 10W or 20W (factory option)
Spectral Regrowth	To ETSI TR101 290 (9) v1.2.1 Section 6.9.2
Power Input and Telemetry	Mil-C AB05 Series 12 Way
RF Input	“N” Type male 50Ω impedance
RF Output	2 SFP+ module slots supporting electrical and optical interfaces
Weight	2.8kg
Weatherproof Package	<ul style="list-style-type: none">• -20 to +50°C• Altitude 4500m• Humidity 95% Long Term• RTCA DO-160, ED-14 Specification