

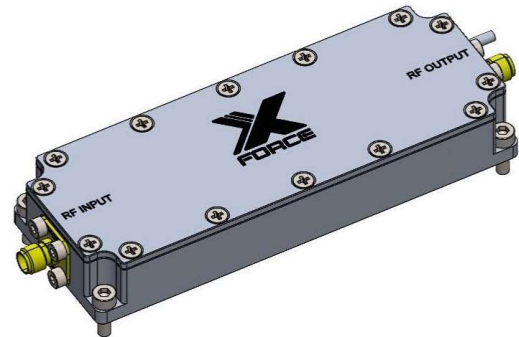
20W 1100 – 1280 MHz Drone Jammer Module

Module: XFT-1200-20W

Overview

The 20 W GaN Power Amplifier Module for 1100 – 1280 MHz delivers high efficiency and robust reliability for L-band transmitters in communications, telemetry, positioning, and industrial/defense RF platforms. Built on **Gallium Nitride (GaN)** technology, the module provides strong output power in a compact footprint while simplifying thermal management and system integration.

Item.	Specs
Frequency Range	1100 – 1280 MHz
Working Voltage	24 – 32 VDC
Working current	≤ 4A
Output Power	20W
Enable control	Customize
Working Temperature	-20°C – 55°C
Dimension	125 x 60 x 20 mm
Weight	250g
Connector	SMA



Highlights

- **GaN performance advantage:** Higher power density and Power Added Efficiency than legacy LDMOS, reducing DC power consumption at a given RF output.
- **Rated output: 20 W (typ.)** across 1100 – 1280 MHz, supporting common L-band architectures.
- **Thermal robustness:** Ceramic carrier/base optimizes heat spreading for consistent performance under demanding duty cycles.
- **System friendly:** 50-Ω I/O, compact form factor, and compatibility with external circulator/isolator at the PA output to further improve mismatch survivability (option).