

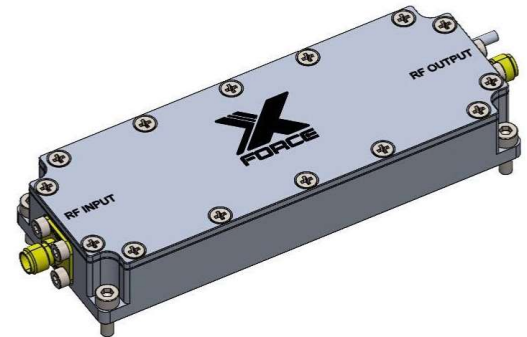
## 20W 2400 – 2500 MHz Drone Jammer Module

### Module: XFT-2400-20W

#### Overview

The 20 W GaN Power Amplifier Module for 2400 – 2500 MHz delivers high efficiency and robust reliability for S-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     | 2400 – 2500 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 2400 – 2500 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).