



Counter drone module

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50dB Gain,100w,CustomizableMHz
amplifier

Solid state Broadband high power interference source

This module is a 100W solid-state broadband high-power interference source amplifier.Features built-in control and monitoring protection features to ensure high availability.This amplifier is suitable for broadband interference.

Features

Customizable MHz frequency range
Power gain 50dB
Built-in control, protection circuits

olid-state Class AB Broadband design
Instantaneous ultra broadband
Small and lightweight
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS(T=25°C,DC Voltage= 28V,Load VSWR≤1.5))

Description	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	Customizable			MHz
Output Power CW	Psat			100	W
Power Gain @ Psat	Gp		50		dB
Power Gain Flatness @ Rated PSAT	ΔGp		± 1		dB
Operating Voltage	V _{DC}	24	28		V
electric current	I _{DD}		7-11.5		A

MECHANICAL SPECIFICATIONS

Cooling	External	HeatSink Needed	(Not Supplied)
Length* Width*Height[mm]			200*110*27
Weight[Kg]			0.9
RF Connector Input			N/A
RF Connector Output			[2.8mm(K),N Female]

ENVIRONMENTAL SPECIFICATIONS (Design to Meet)

Module Operation Temperature	-15	70-80	°C
Storage Temperature Range	-30	70-80	°C
Relative-Humidity	N/A		
Altitude	N/A		
Vibration/Shock	N/A		

LIMITS

Input RF drive level without damage	N/A	dBm
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DC INTERFACE CONNECTOR – [Penetrating capacitor, Male]

Pin #	Description	Specifications
A1	VCC	+28V
A2	GND	Ground

COMPLIANCE CERTIFICATIONS

XX
XX

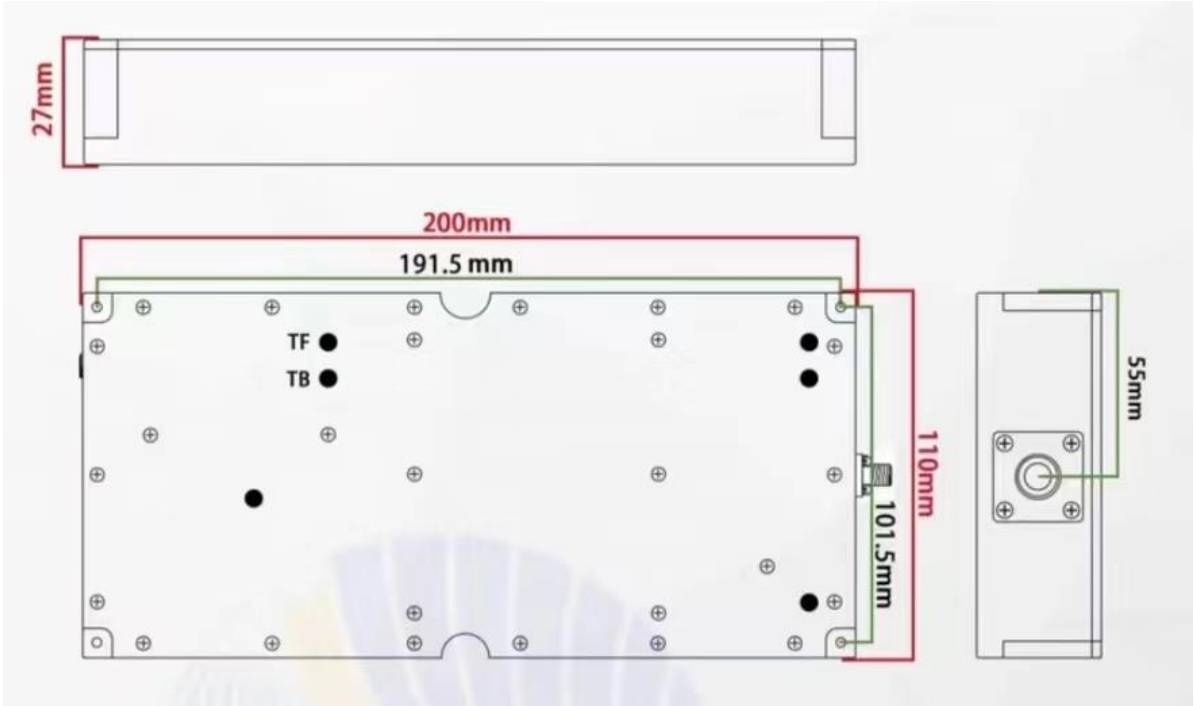
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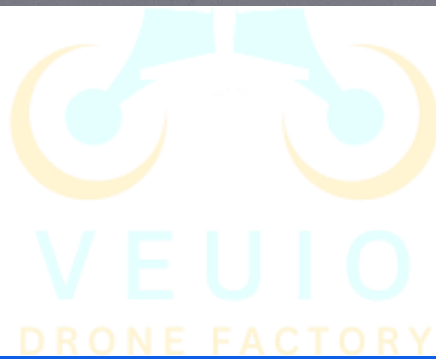
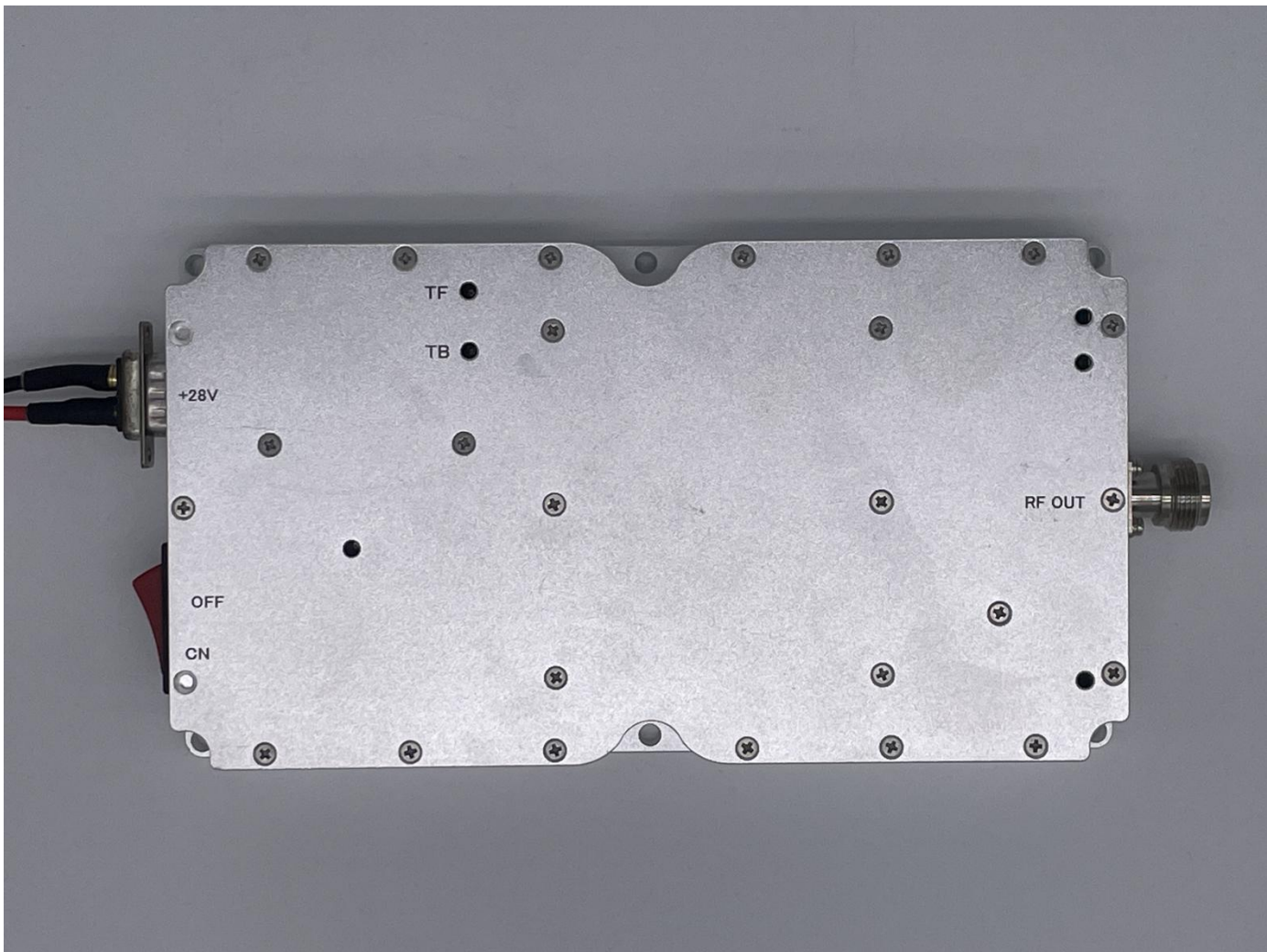
Notes:

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Product diagram





Datasheet: REV A.4/ 12.04.2024
