



Counter drone module

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47dB Gain,50w,CustomizableMHz
amplifier

Solid state Broadband high power interference source

This module is a 50W 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 47 dB

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

ELECTRICAL SPECIFICATIONS(T=25°C,DC Voltage= 27V,Load VSWR≤1.5))

Description	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	Customizable			MHz
Output Power CW	Psat			50	W
Power Gain @ Psat	Gp		47		dB
Power Gain Flatness @ Rated PSAT	ΔGp		± 1		dB
Input Power for Rated PSAT	P _{IN}		0-3		dBm
Connector type			SMA joint		
Operating Voltage	V _{DC}	24		28	V
electric current		3.5-5			A

MECHANICAL SPECIFICATIONS

Cooling External HeatSink Needed (Not Supplied)

Length* Width*Height[mm] 125*58*20

Weight[Kg] 0.25

RF Connector Input N/A

RF Connector Output [2.8mm(K),SMA Female]

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ENVIRONMENTAL SPECIFICATIONS (Design to Meet)

Module Operation Temperature	-15	60	°C
Storage Temperature Range	-30	65	°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

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PLOTTED AND OTHER DATA

Notes:

Datasheet: REV A.4/ 12.04.2024

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Product diagram

