

VMFA-7G/12G-28-50-SMAF

FEATURES

- ◆ Frequency: 7GHz ~ 12GHz
- ◆ Gain: 62 dB
- ◆ Psat: 47 dBm
- ◆ Power Supply: +28V
- ◆ SMA-K

TYPICAL APPLICATIONS

- ◆ Test & Measurement
- ◆ TR Module

SPECIFICATIONS

Parameter	Performance	Units	Notes
Freq.	7-12	GHz	
Power Gain	≥ 51	dB	
Linear Gain	≥ 62	dB	
Gain Flatness	± 2	dB	
Psat	≥ 47	dBm	
Input Return Loss	≥ 11	dB	
Harmonic Suppression	≥ 15	dBc	Typ.
Spurious	≥ 65	dBc	
Power Consumption	240	W	
Voltage	28	V	
Input / Output Impedance	50	Ω	
Input / Output Connector	SMA-K		
Voltage Supply and Control Interface	M2.5 feed-through capacitor		
Heat Dissipation	Bottom conduction cooling	-	The module is not equipped with a heat sink; additional heat dissipation measures are required during operation.
Control	3.3-5 V for ON 0 V for OFF	-	Internally pulled up, default state is ON
Operating Temperature	-40 ~ +50	°C	
Storage Temperature	-55 ~ +80	°C	
Moisture	5 ~ 75	%	

OUTLINE DRAWING

The surface is nickel-plated, with laser-etched logo.

Overall size: 70×50×20mm, Unspecified tolerance: $\pm 0.2\text{mm}$.

Outline for reference only, unmarked dimensions refer to actual sample.

Unit: mm

