2400–2485 MHz RF Power Amplifier, 50 W Minimum, Variant A



Variant A covers 2400–2485 MHz with 50 W minimum output and 47 dB typical gain. Typical dynamic current is 4 A at 50 W, with 40% typical power-added efficiency.

The output uses SMA at 50 Ω and the typical supply is 28 VDC. The source records −25 dBc typical harmonics at 50 W; the original mechanical outline provides a reference for the module shape.

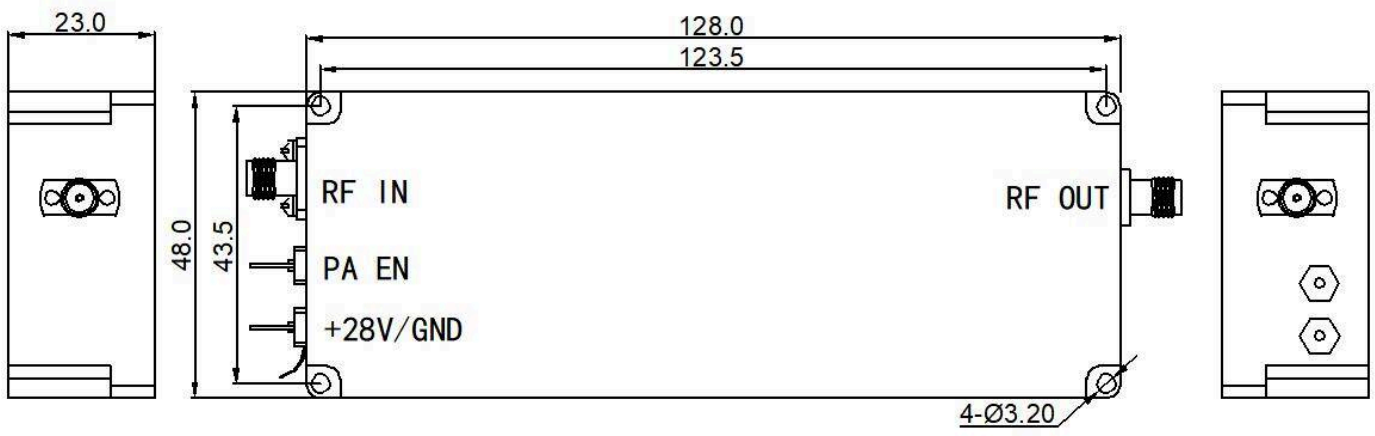
Electrical Specifications

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Operating frequency	BW	2400	-	2485	MHz
RF output power @ PSAT	PSAT	50	-	-	W
Power gain @ PSAT	Gp	-	47	-	dB
Harmonics at 50 W	H	-	-25	-	dBc
Output impedance	Impedance	-	50	-	Ω
Operating voltage	VDC	-	28	-	VDC
Dynamic current @ 50W	IDD	-	4	-	A
Power-added efficiency	Eff	-	40	-	%
RF output connector	-	-	SMA, female	-	-

Mechanical Specifications

Parameter	Value	Unit
Body dimensions	128 × 48 × 23 mm (Body dimensions from the original mechanical drawing dimension lines; excludes protruding RF connectors and DC/control pins. Refer to the original outline drawing for installation protrusions.)	mm

Mechanical Outline



Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.