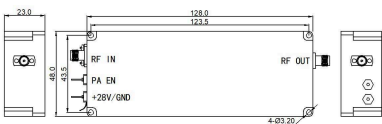


2400–2485 MHz RF Power Amplifier, 50 W Minimum, Variant A

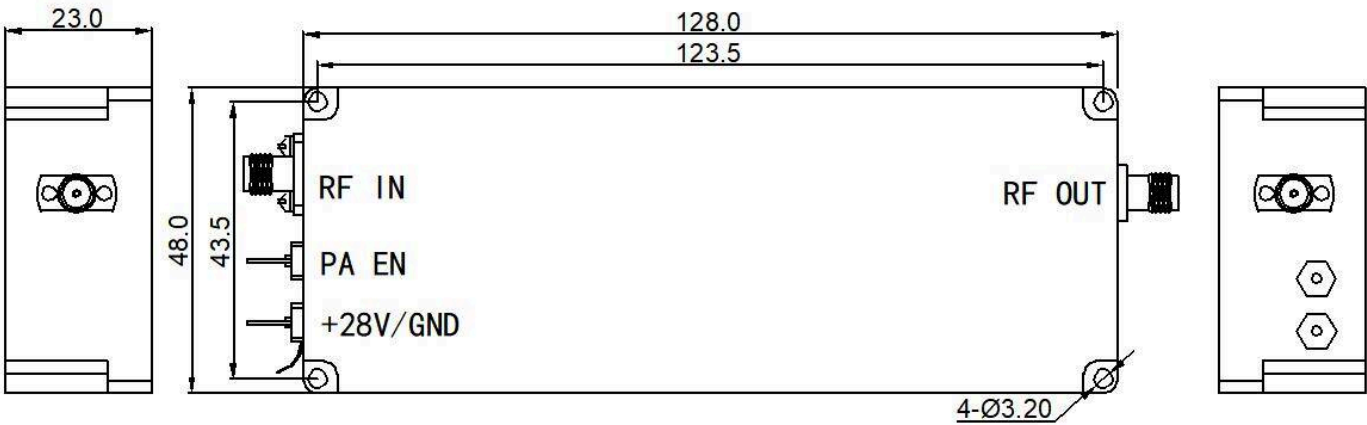
Variant A covers 2400–2485 MHz with 50 W minimum output and 47 dB typical gain. Typical dynamic current is 4 A at 50 W, with 40% typical power-added efficiency.



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 Outline



All dimensions are in mm [in].

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.