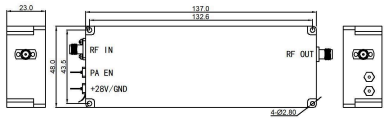


5150–5250 MHz RF Power Amplifier, 50 W Typical, Variant A

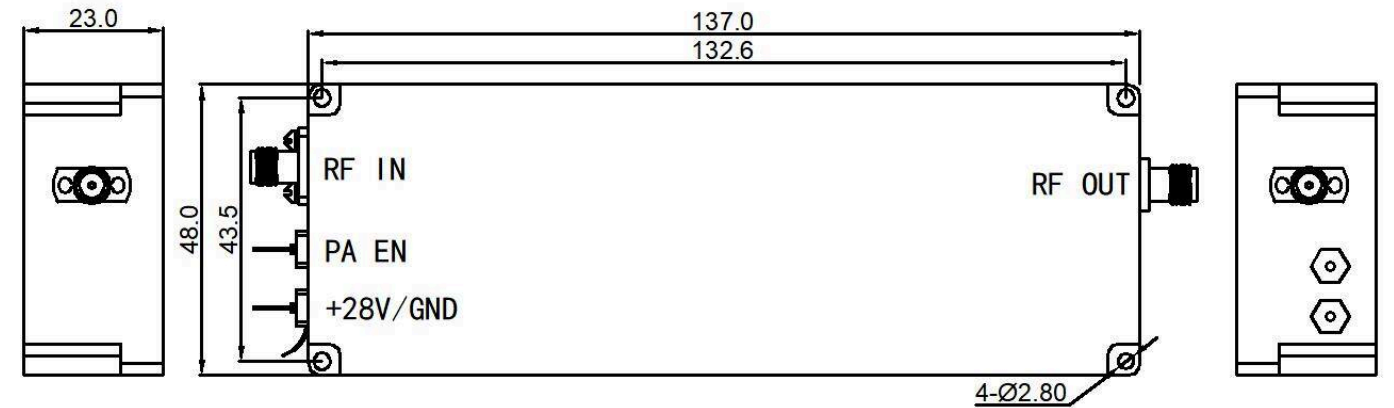
Variant A provides 50 W typical output across 5150–5250 MHz and 47 dB typical gain. Typical dynamic current is 6 A at 50 W, with 30% typical power-added efficiency.



Electrical Specifications

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Operating frequency	BW	5150	-	5250	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	-	6	-	A
Power-added efficiency	Eff	-	30	-	%
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.