2000–6000 MHz Swept RF Interference Source, 25 W Typical, Variant A



Variant A integrates a swept-frequency generator within a module producing direct RF output across 2000–6000 MHz. Saturated output is 18 W minimum and 25 W typical; recorded minimum gain is 42.5 dB.

It uses an SMA output at 50 Ω and 28 VDC typical supply; typical dynamic current is 3.5 A at 25 W. The interface includes enable at 3.3 V or 5 V and temperature output of 750 mV at 25 °C with 10 mV/°C scaling.

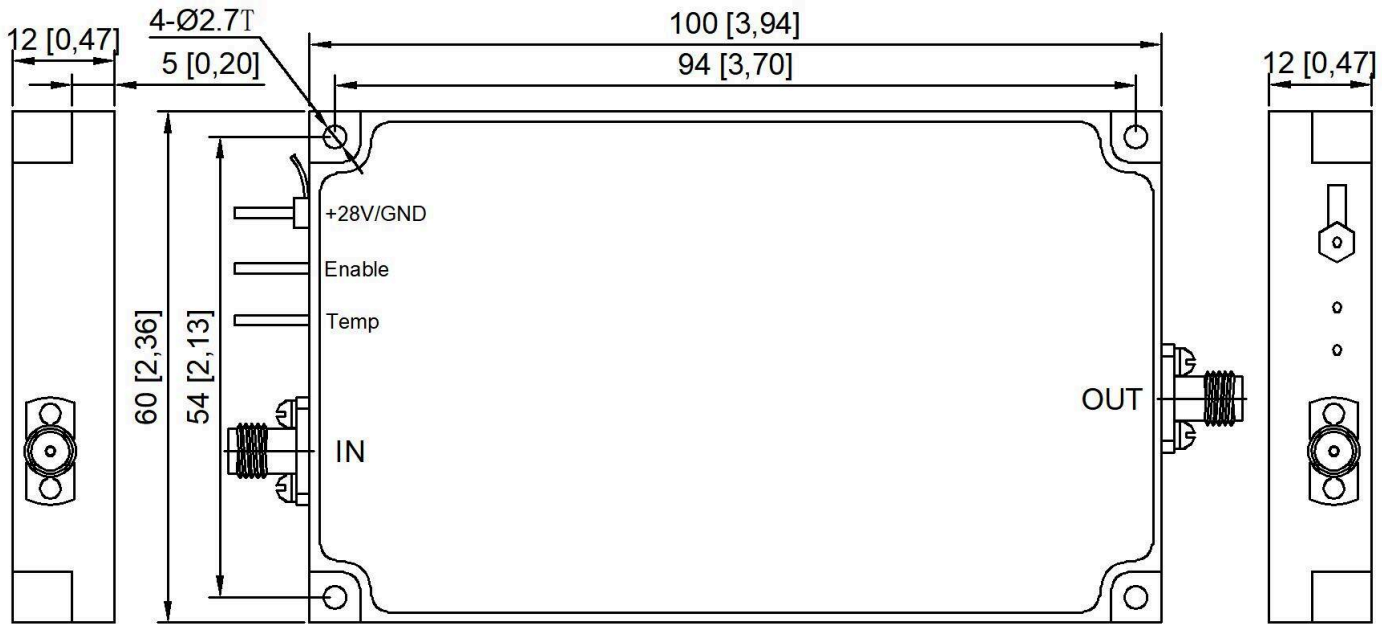
Electrical Specifications

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Operating frequency	BW	2000	-	6000	MHz
RF output power @ PSAT	PSAT	18	25	-	W
Power gain @ PSAT	Gp	42.5	-	-	dB
Harmonics at 25 W	H	-	-12	-	dBc
Output impedance	Impedance	-	50	-	Ω
Operating voltage	VDC	-	28	-	VDC
Dynamic current @ 25W	IDD	-	3.5	-	A
Power-added efficiency	Eff	-	30	-	%
RF output connector	-	-	SMA, female	-	-

Power and control interfaces

Pin #	Description	Specification
-	Positive supply / Ground	+28 VDC / Ground
-	Enable	EN = 3.3 V / 5 V → Enabled; EN = 0 V → Disabled
-	Temperature sense output	750 mV @25 °C; 10 mV/°C

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.