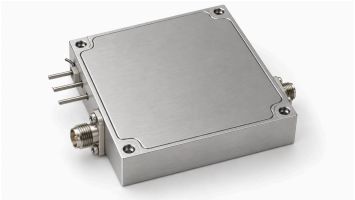
2000–6000 MHz Swept RF Interference Source, 30 W Typical



The source produces swept RF output directly through an integrated generator across 2000–6000 MHz. Saturated output is 20 W minimum and 30 W typical, with 3.5 A typical dynamic current at 30 W.

Recorded minimum gain is 43 dB; the output uses SMA at 50 Ω and typical supply is 28 VDC. The interface includes EN at 3.3 V or 5 V and temperature output of 750 mV at 25 °C with 10 mV/°C scaling.

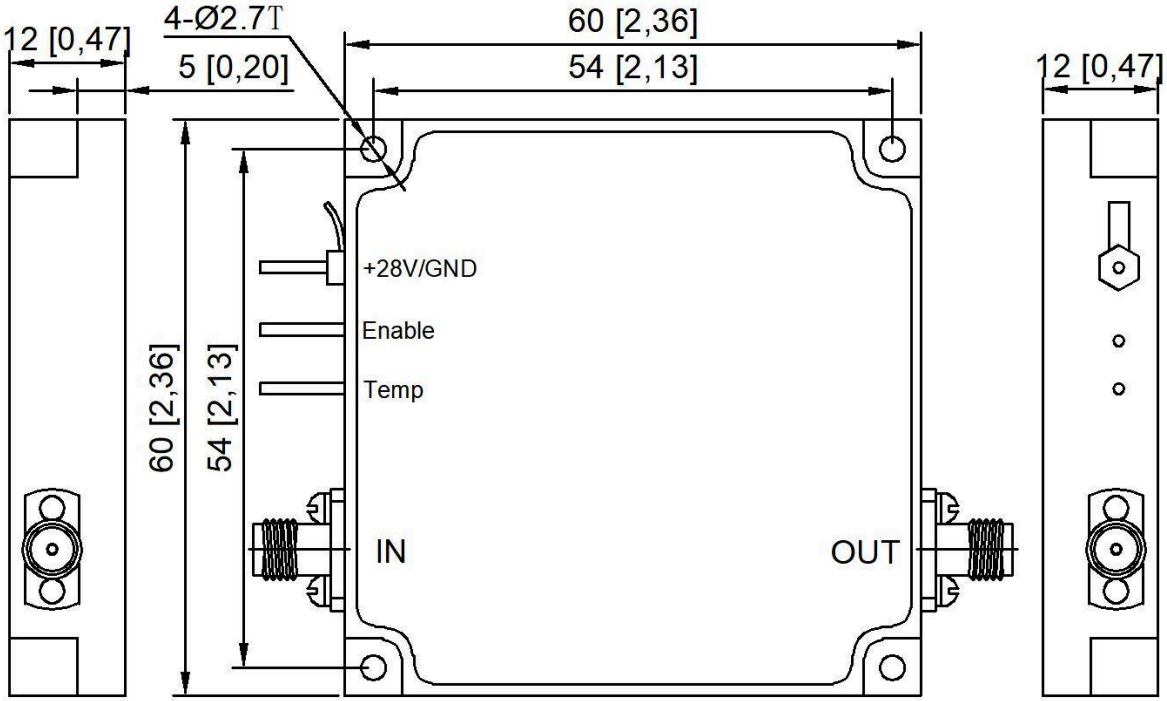
Electrical Specifications

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Operating frequency	BW	2000	-	6000	MHz
RF output power @ PSAT	PSAT	20	30	-	W
Power gain @ PSAT	Gp	43	-	-	dB
Output impedance	Impedance	-	50	-	Ω
Operating voltage	VDC	-	28	-	VDC
Dynamic current @ 30W	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.