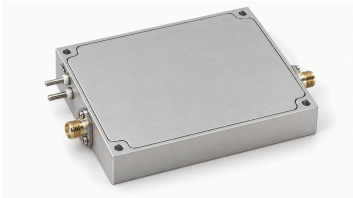
1000–5000 MHz Swept RF Interference Source, 20 W Minimum, Variant B



Variant B includes an integrated swept-frequency generator for direct RF output across 1000–5000 MHz. Saturated output is 20 W minimum and 25 W typical; the table records 43 dB minimum gain.

Typical supply is 28 VDC, with 3.5 A typical dynamic current at 25 W. The source specifies an SMA output at 50 Ω, enable at 3.3 V or 5 V and off at 0 V.

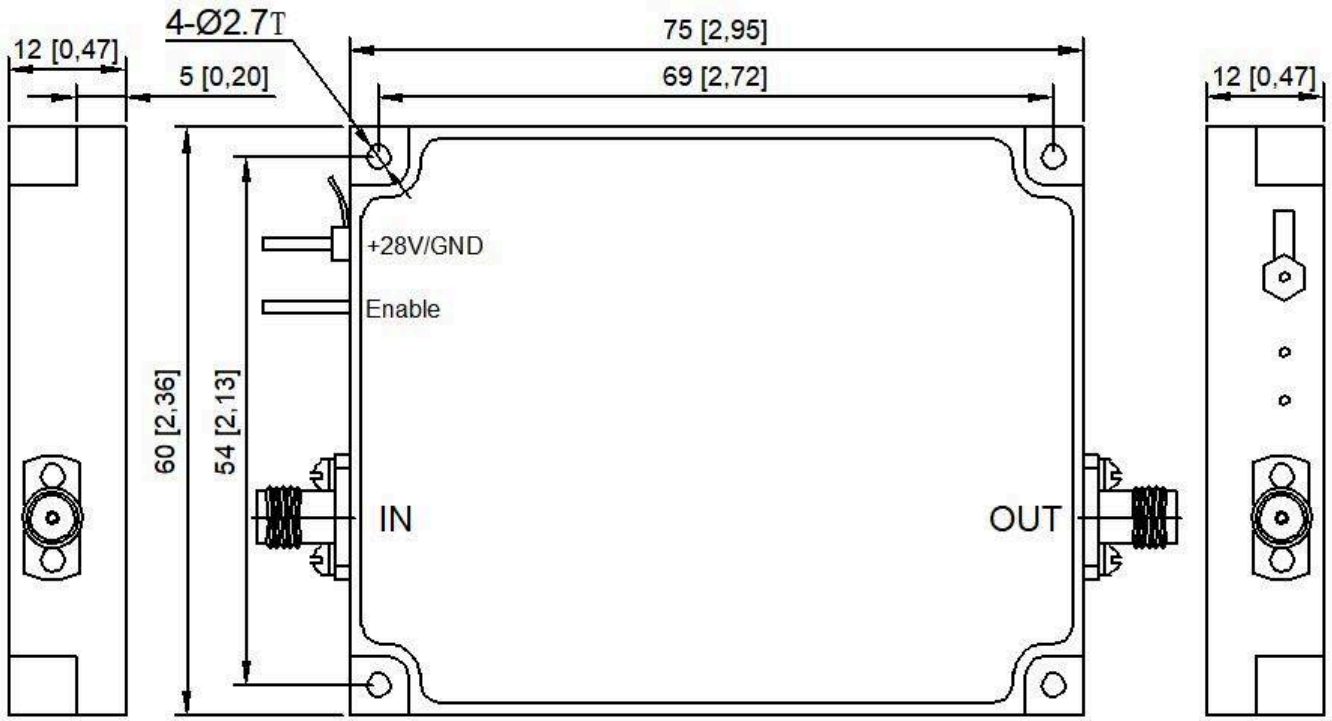
Electrical Specifications

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Operating frequency	BW	1000	-	5000	MHz
RF output power @ PSAT	PSAT	20	25	-	W
Power gain @ PSAT	Gp	43	-	-	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

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.