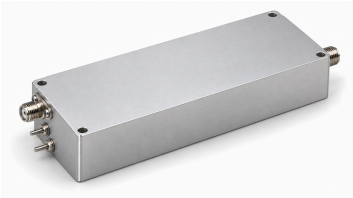
5725–5850 MHz RF Power Amplifier, 50 W Typical, Variant A

Variant A covers 5725–5850 MHz with 50 W typical output and 47 dB typical gain. The source records –25 dBc typical harmonics at 50 W output.

Typical supply is 28 VDC, dynamic current is 6 A at 50 W and power-added efficiency is 30%. The output uses SMA at 50 Ω, with an original outline showing the module's external form.



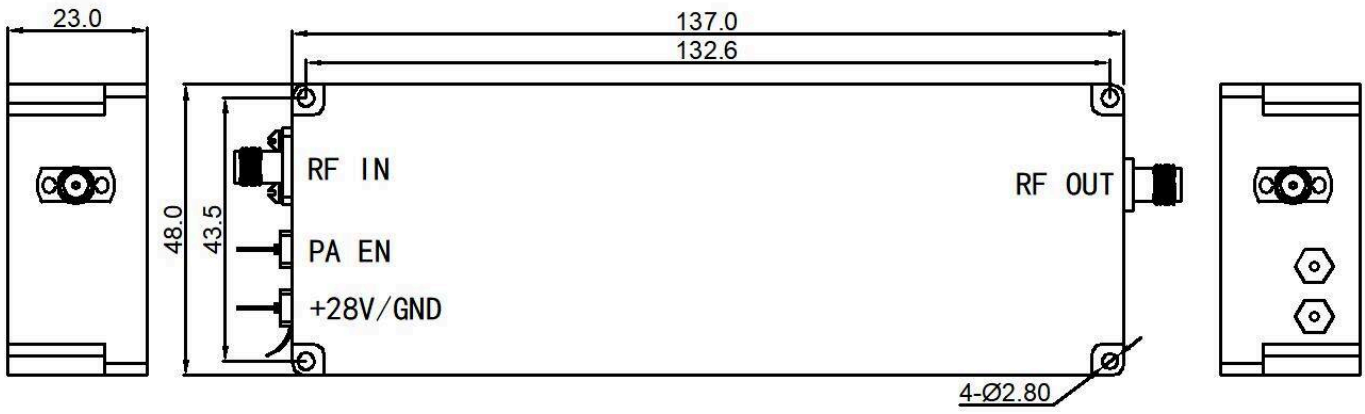
Electrical Specifications

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Operating frequency	BW	5725	-	5850	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 Specifications

Parameter	Value	Unit
Body dimensions	137 × 48 × 23 mm (Body dimensions from the original mechanical drawing dimension lines; excludes protruding RF connectors and DC/control pins. Refer to the original outline drawing for installation protrusions.)	mm

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.