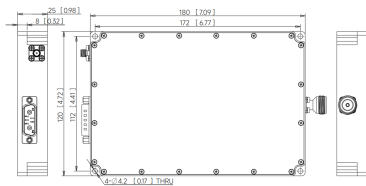


200 MHz–1.8 GHz 100 W Broadband RF Power Amplifier Module

The 200–1800 MHz band is supported with 100 W typical saturated output and 50 dB typical gain. At 100 W, typical current is 15 A and power-added efficiency is 35%.



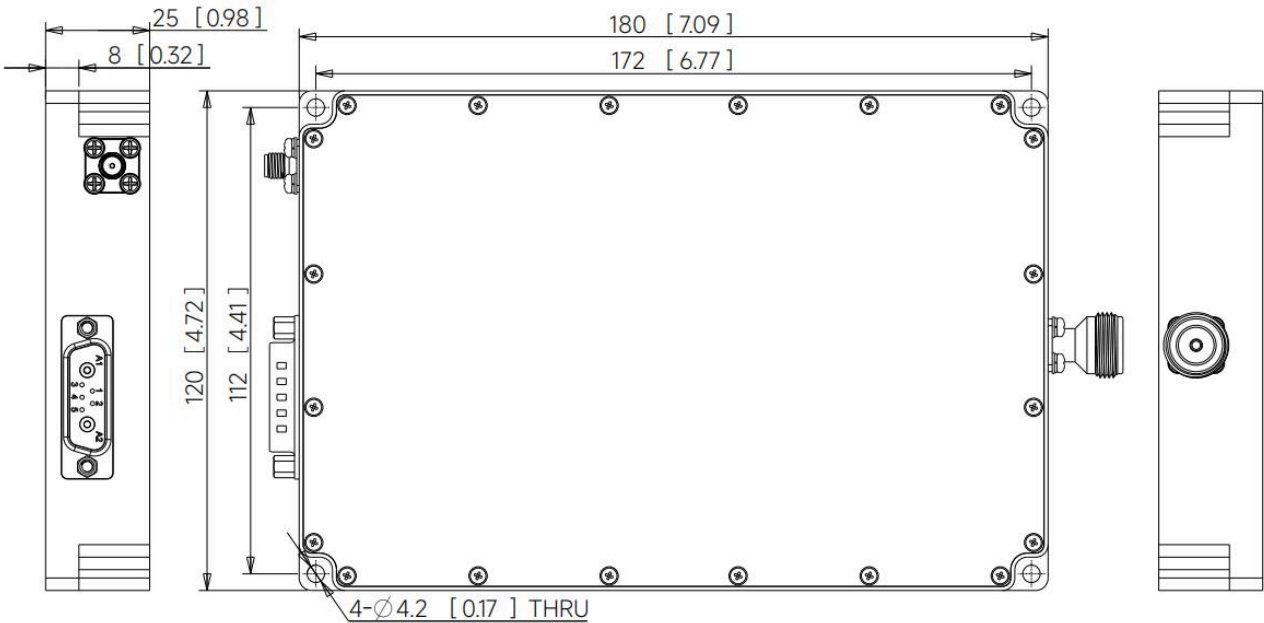
Environmental Specifications · Design targets; project confirmation required

Parameter	Minimum	Typical	Maximum	Unit
Operating temperature	-20	-	50	°C
Storage temperature	-25	-	65	°C
Relative humidity (non-condensing)	-	-	95	% RH

Mechanical Specifications

Parameter	Value	Unit
Dimensions	180 × 120 × 25[7.09 × 4.72 × 0.98] (Maximum)	mm [in]
Weight	2[4.4] (Maximum)	kg [lb]
RF input connector	SMA female	-
RF output connector	N female	-
DC/control interface	Hybrid D-Sub 7-pin male	-

Mechanical Outline



All dimensions are in mm [in].

DC and Control Interface

Pin #	Description	Specification
A1	A1 GND	Ground
A2	A2 VDD	+28V
1	1 ENABLE	TTL logic high (3.3 V); internally pulled high
2	2 GND	Ground
3	3 485A	RS-485 serial communication
4	4 485B	RS-485 serial communication
5	5 NC	Not connected

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.