

Typical Applications

- Aerospace and military applications
- Wireless telecom systems
- ISM Applications

Main Features

100 W High Power Amplifier 2.3 – 2.6 GHz
 High reliability and Ruggedness
 Connectorized Housing
 Separate Bias pin for Shutdown or Blanking
 Customization available upon request

Electrical Specifications, Ta = +25°, Vdd = +50V

Parameter	Unit	Specification
Frequency Range	GHz	2.3 – 2.6
Power Gain	dB	20 min
Gain variation	dB	+/- 1.5 max
Saturated Output Power	dBm	50 min CW
Noise Figure	dB	10 max
Input / output VSWR	dB	1.6 : 1 max / 1.6 : 1 max
Harmonics	dBc	20 min @ Rated Power
Non Harmonics Spurious	dBc	60 min
Input Power for Nominal Output	dBm	30 typ. CW
In/Out Impedance	Ohm	50 typ.
Supply voltage	V	+50 +/- 0.5 typ.
Efficiency	%	67 typ.
Supply Current Ids (Vdd=+50V)	A	3.1 max @ Saturated Power
ON/OFF Control		Amplifier Enable : TTL "Low" (Logic 0) or Open Amplifier Disable : TTL "High" (Logic 1)

Environment

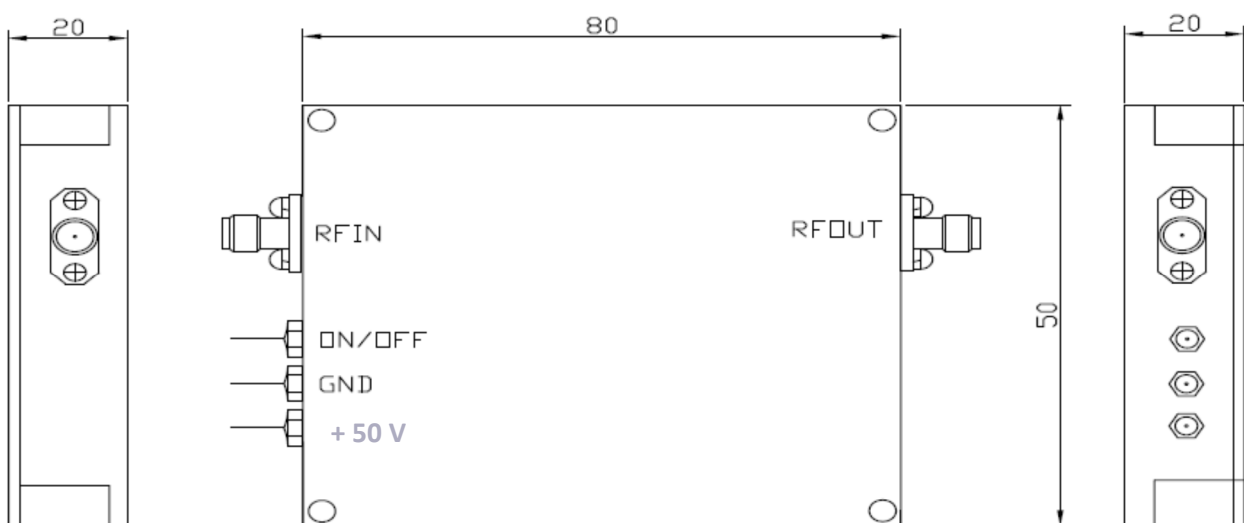
Parameter	Unit	Specification
Operating Temperature	°C	-20°C to +55°C
Storage Temperature	°C	-40°C to +125°C

Mechanical Specifications

Parameter	Unit	Specification
Dimensions	mm	80 x 50 x 20
RF connectors		SMA - Female

Outline drawing

All dimensions in mm



Products and Product Information are Subject to Change Without Notice