

TECHNICAL BULLETIN

BROADBAND RF POWER AMPLIFIER

E16402-01-05

Rev.A

Designed for Wide-band High Power application. This amplifier utilizes GaAs MMIC pHEMT Distributed Power Amplifier. It provides good flatness in DC-22 GHz range.

Absolute Maximum Ratings

Parameter	Rating	Units
Supply Voltage	12	Vdc
Output Power	18	W
Operating Temperature	-40 to + 70	°C
Storage Temperature	-55 to +140	°C

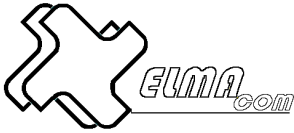
Electrical Characteristics @ T = 25 °C & VDD = 10.0 Vdc

Parameter	Values	Units
Frequency Range	DC-18	GHz
Output Power @ 1 dB comp.	25	dBm
Output Power @ saturation	29	W
Small Signal Gain	12	dB
Gain Flatness	+/- 0.7	dB
Noise Figure	5	dB
Input/Output VSWR	8	
Supply Voltage	8-11	V

OUTLINE DRAWING “Adequate Heatsink Required” Maximum plate temperature 70°

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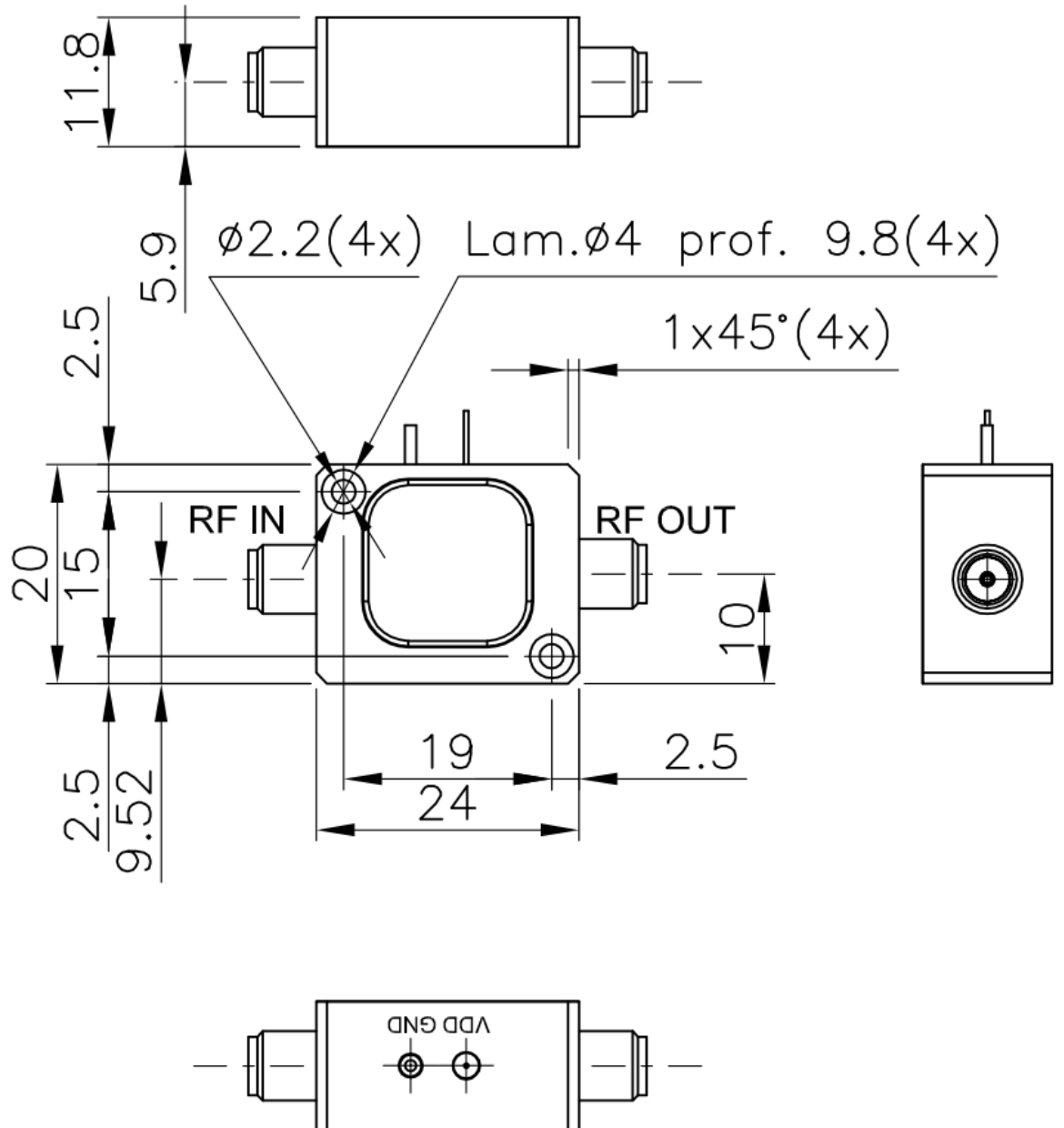


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