



# NORTEC

RF Products

## Medium Gain General Purpose Amplifier

Model #: A100024500-0

### Electrical Specifications

**Frequency:** 190-300 MHz

**P1dB:** 5 Watts (36 dBm) (minimum)

**Gain:** 23 dB (min.)

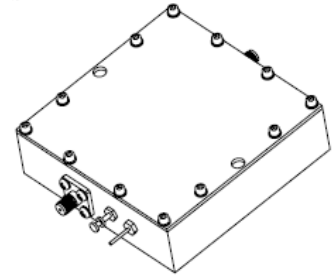
**Gain Flatness:** +/- 1 dB

**DC current:** 1.9 A

**Input VSWR:** 2.5:1 MAX

**Supply Voltage:** 7.2 V (8 V max.)

**Absolute Max. Input RF: 15 dBm**



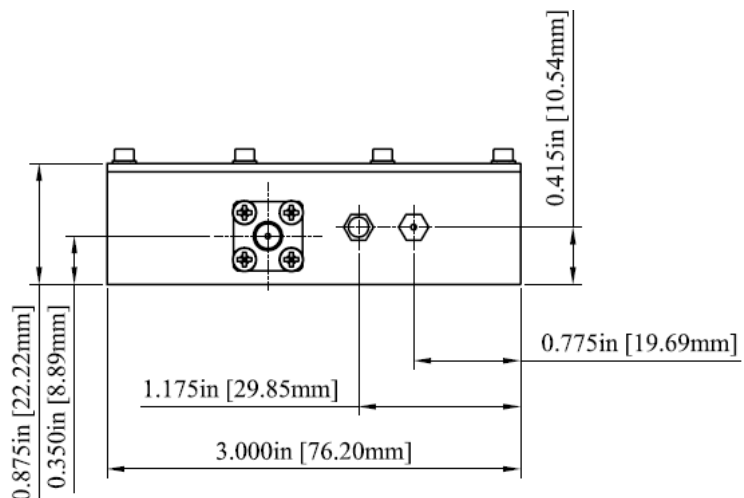
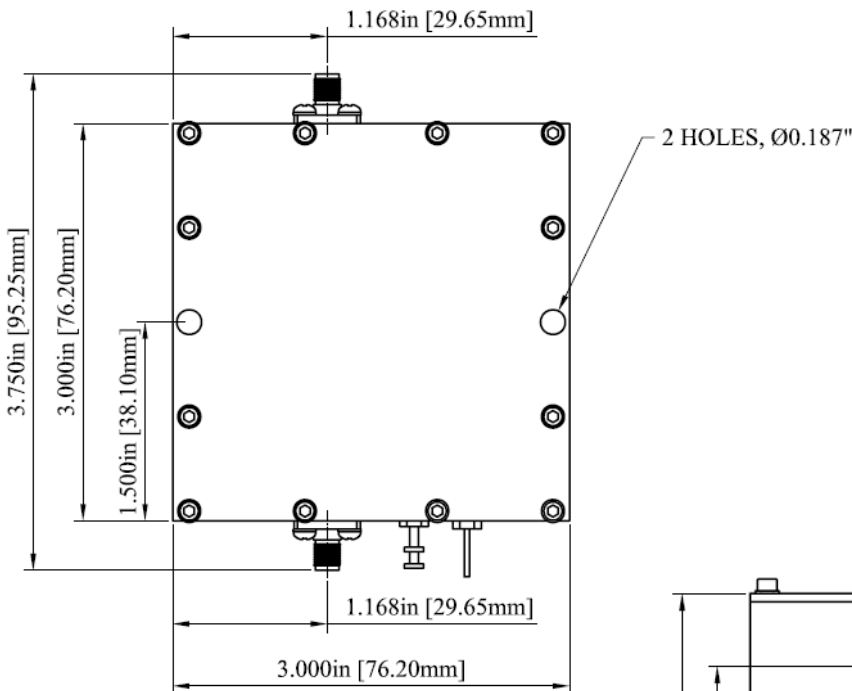
### Mechanical Specifications

**Connectors:** SMA (F)

**Enclosure:** Aluminum – clear irridite per MIL-C-5541 class 3

### NOTES

- The amplifier requires a small heat sink for cooling.
- Over-supply voltage protection.
- Over-current protection.
- Input/output ports should have 50 Ohm source/load, respectively.
- Open load is not recommended.
- Operating temperature is -35° C to 75° C





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