



# NORTEC

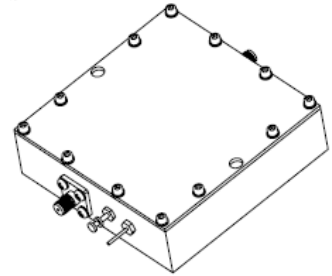
RF Products

## Medium Gain General Purpose Amplifier

### Model #: A100015000-0

### Electrical Specifications

**Frequency:** 100-200 MHz  
**P1dB:** 5 Watts (37 dBm) (minimum)  
**Gain:** 23.0 dB (min)  
**Gain Flatness:** +/- 1.5 dB  
**DC Current:** 1.9 A  
**Input VSWR:** 2.5:1 MAX  
**Supply Voltage:** 12 V (12.5 V max.)  
**Absolute Max. Input RF: 15 dBm**

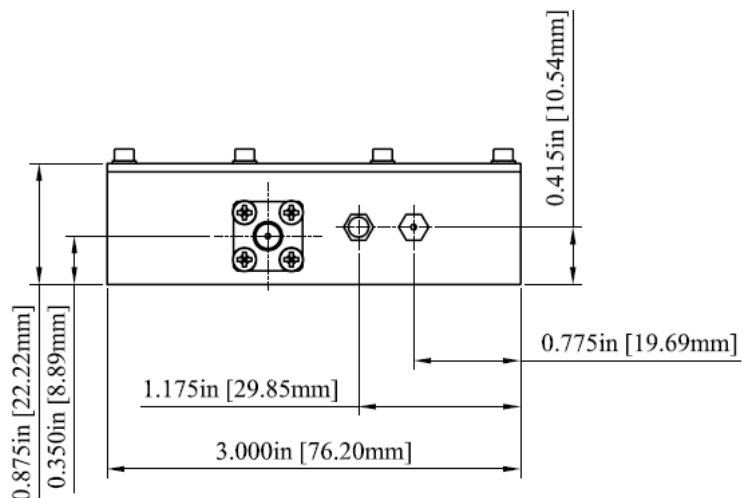
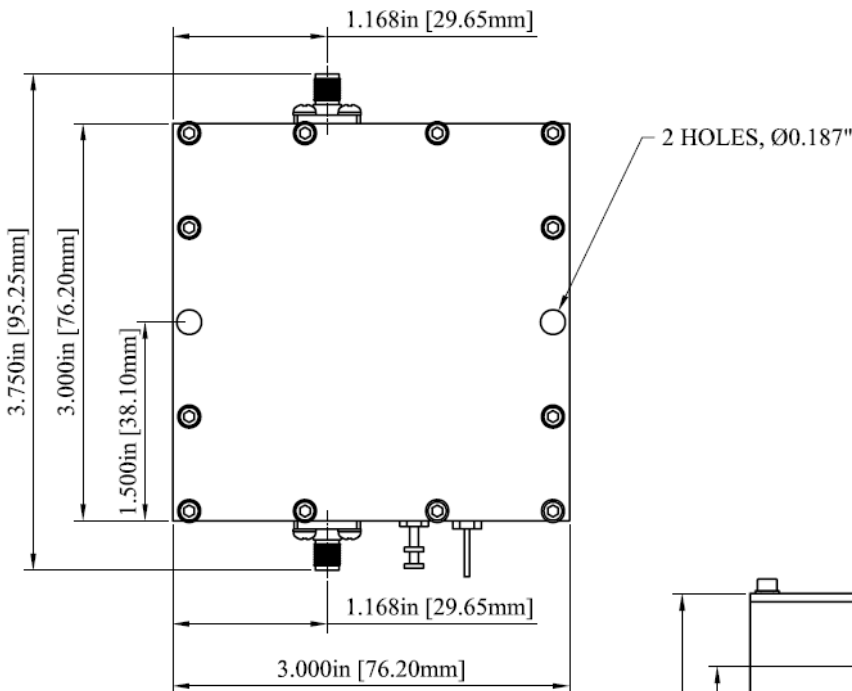


### Mechanical Specifications

**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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