

## Communications & Power Industries Coaxial Magnetron



### FEATURES:

- Frequency 7.8 – 8.5 GHz
- Peak power output 325 kW
- Duty cycle .001
- Anode voltage 29 kV
- Anode current 30 amps
- Pulse width 3.5 microseconds
- Heater 9 volts @ 14 amps
- Air cooled
- Mechanically tunable

### BENEFITS:

- Long life
- Exceptional frequency stability

### APPLICATIONS:

- Threat simulator radars
- Air traffic control radars
- Weather radars

# CPI X-Band 325 kW Coaxial Magnetron: VMX1132

## Electrical Specifications

|                          |               |
|--------------------------|---------------|
| Frequency                | 7.8 – 8.5 GHz |
| Peak Power Output        | 325 kW        |
| Average Power Output     | 0.325 kW      |
| Pulse Voltage            | 27 – 30 kV    |
| Peak Anode Current       | 35 A          |
| Average Anode Current    | 30.0 mA       |
| Pulse Width              | 3.5 $\mu$ S   |
| Duty Cycle               | 0.001         |
| Maximum Filament Voltage | 10 V          |
| Maximum Filament Current | 50 A          |
| Minimum Warm-Up Time     | 180 S         |
| Maximum Load VSWR        | 1.3:1         |

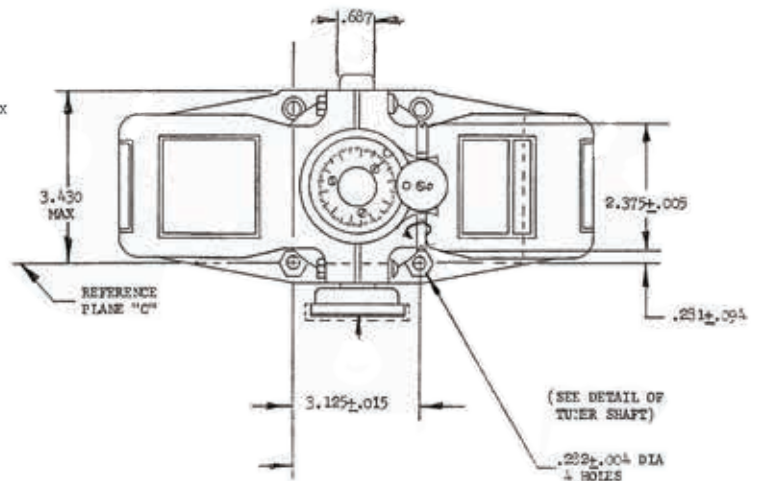
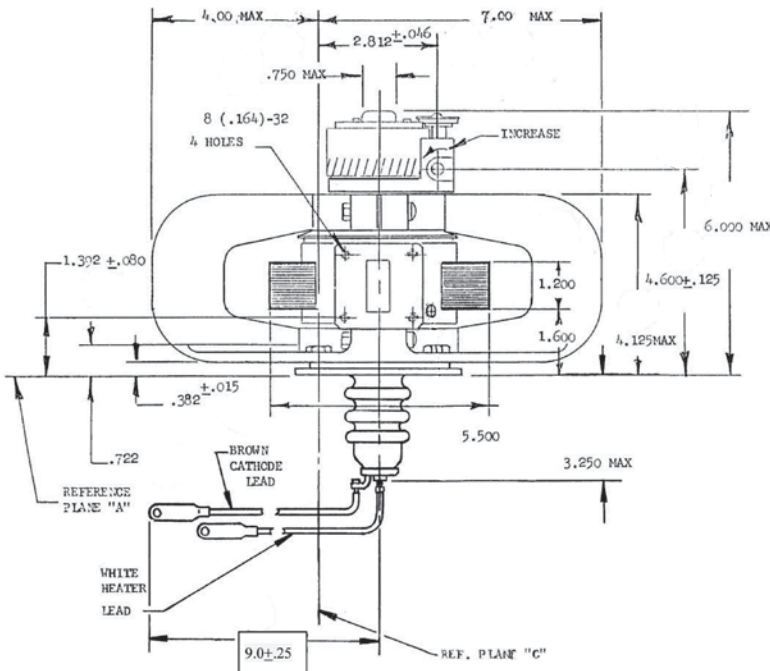
## Mechanical and Environmental Specifications

|                          |                   |
|--------------------------|-------------------|
| Cooling                  | Forced air        |
| Maximum Body Temperature | 125°C             |
| Mounting Position        | Any               |
| Support                  | Mounting flange   |
| Coupling                 | WR112             |
| Tuning                   | 116               |
| Weight                   | 20 lbs. (9.07 kg) |

\*Electrical specifications are typical. Other operating conditions are obtainable.

With a history of producing high quality products, we can help you with your magnetron.

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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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