

CPI Electron Device Business - Coaxial Magnetron



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

Contact us at ElectronDevices@cpiedb.com or call us at +1 978-922-6000.

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 EDB 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 μ 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

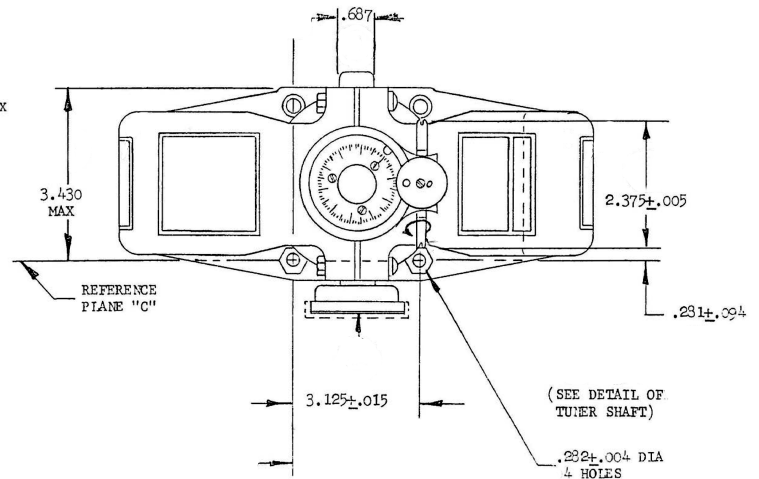
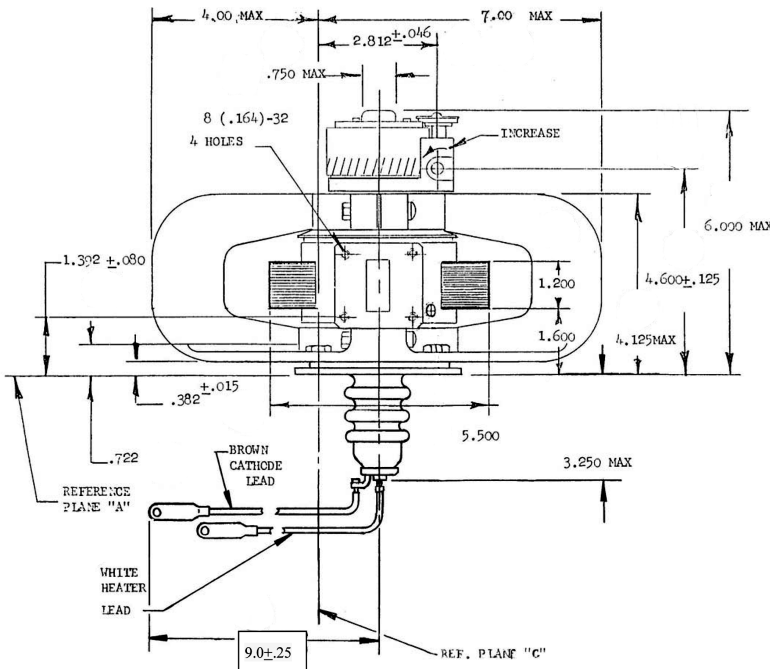
Mechanical and Environmental Specifications

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.

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

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