

Industrial Heating Magnetron

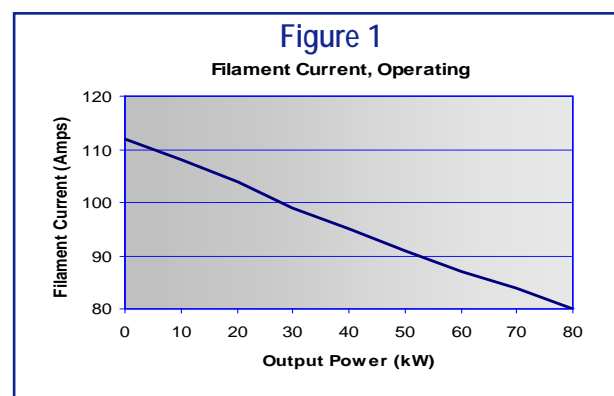
- Variable output power up to 75 kW
- Exact replacement for all competitive types
- Ruggedized ceramic-metal construction
- Water-cooled anode, air-cooled dome and input
- Designed for multiple repairs
- Manufactured to ISO 9000 Standards

Typical Operation	Symbol	Min.	Typ.	Max.
Frequency	MHz	905	915	925
CW Power @ VSWR 1.1:1	kW	--	75	80
Anode Voltage	kV	--	17	18
Anode Current	A	2	5.5	6
Filament Voltage	V	--	12.6	--
Filament Current	A	--	112	--
Filament Surge Current	A	--	--	250
Filament Current, Operating	--	See Figure 1		
Filament Preheat Time	Min.	3	--	--
Input Power	kW	--	93.5	106
Electromagnetic Current	A	--	5.2	--
Mechanical Ratings				
Mechanical Ratings		Specification		
Anode Cooling	Water; 4.5 GPM min.			
Outlet Water Temperature	50 degrees C Max.			
Cathode Cooling	Forced Air, 10 CFM Min.			
Dome Cooling	Forced Air, 20 CFM Min.			
Weight	15 lbs			
Launcher	NL-10256L or equivalent			
Magnet	NL-10256M or equivalent			



Notes:

1. RF Gaskets supplied with each magnetron.
2. Adapters supplied with each magnetron to meet 2.25/1.4 2.00/1.25 filament connectors.
3. Characteristics and operating conditions are based upon performance tests. These values may change as a result of further data or product refinement. L-3 Electron Devices should be consulted before using this information for product design.



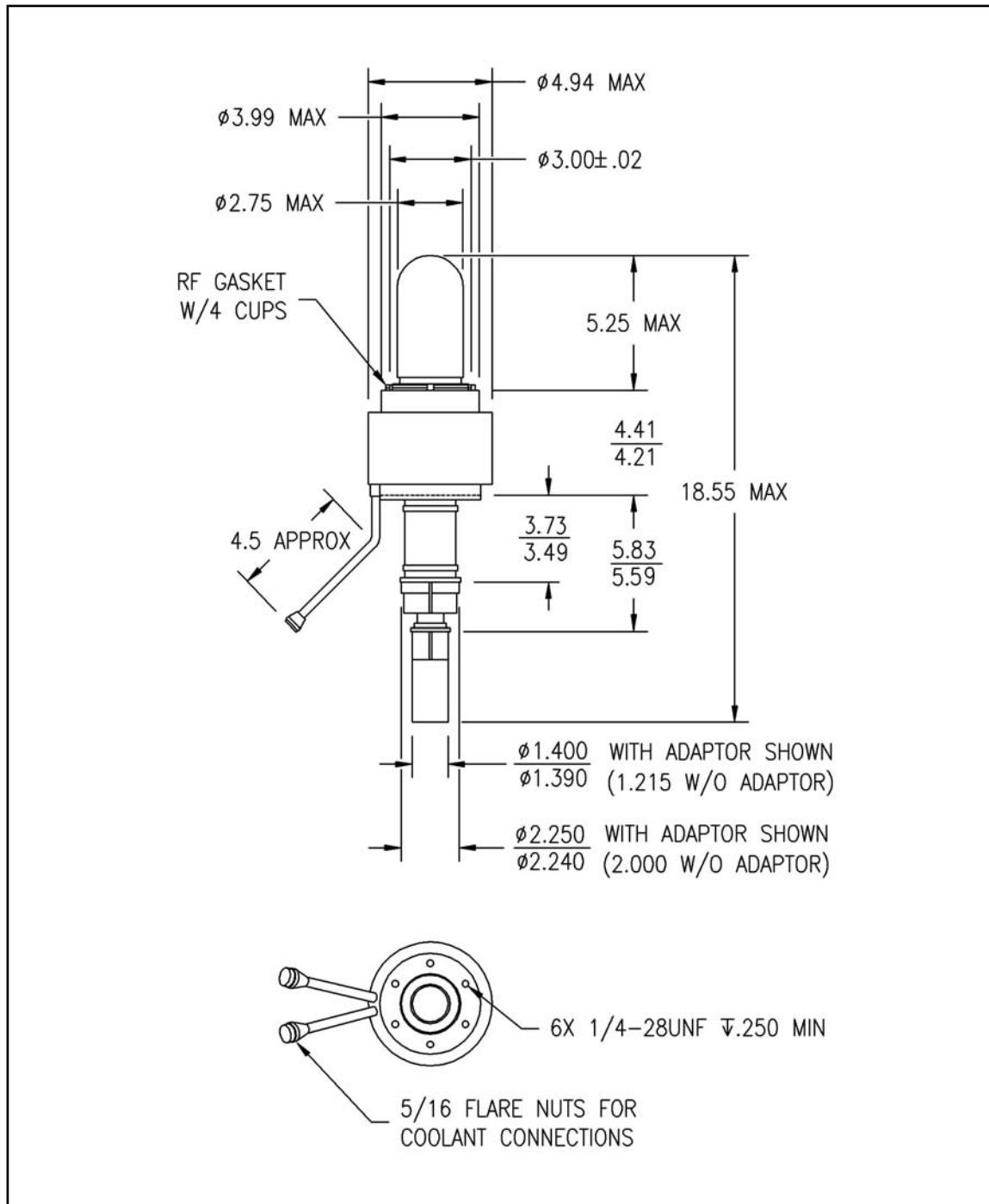
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Electron Devices

L-4031 Magnetron

Outline Drawing

(All dimensions in inches)



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