



## Magnetron Specifications Data Sheet:

### 25 kW CW L-band Magnetron

Model #: CWM-25L

## Microdry Incorporated

5901 West Highway 22

Crestwood KY, 40014

PH: 502-241-8933

Fax: 502-241-5907

[Info@Microdry.com](mailto:Info@Microdry.com)

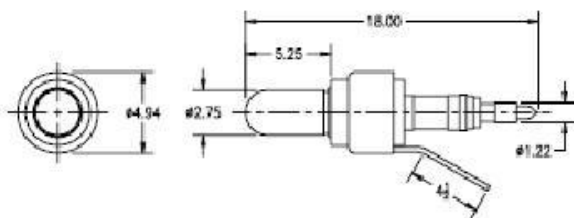
- 896, 915, 922, & 929 MHz and Custom Versions
- CW Power Output – 25 kW
- 78% Efficiency, Typical
- Water-Cooled Anode
- Coaxial Launch into WR-975
- External Electromagnet



## Specifications:

Characteristic:	Specification:	Typical:
Frequency of Operation (Fixed):	896, 915, 922, & 929 MHz versions	Custom frequencies available
Frequency Variation:	+/- 10MHz	+/- 5 MHz
CW Power Output Minimum:	25 kW	25 kW
Anode Voltage:	14 kV	12.8 kV
Anode Current:	3.0 A	2.5 A
Efficiency:	60%	78%
Filament Voltage (Standby):	12.5 V	11.4 V
Filament Current:	112 A	102 A (see filament current backdown Schedule)
Load VSWR, Maximum:	1.1:1 (circulator required)	
RF Launch Type:	Coaxial, into WR-975	
<b>Cooling:</b>		
Water Flow (Anode) Minimum:	3 gpm	
Air Flow (Cathode) Minimum:	5 cfm	
Air Flow (Dome), Minimum:	20 cfm	
Weight, Maximum:	15 lbs / 6.81 Kg	

## Dimensions (Inches):



## Filament Current Backdown Schedule:

