



## Magnetron Specifications Data Sheet:

### 30 kW CW L-band Magnetron

Model #: CWM-30L

## Microdry Incorporated

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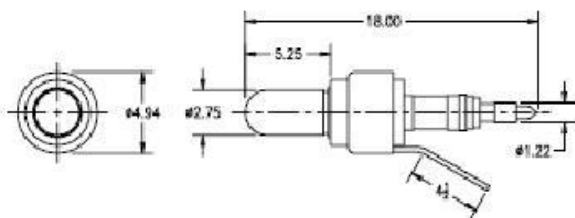
- 896, 915, 922, & 929 MHz and Custom Versions
- CW Power Output – 30 kW
- 78% Efficiency, Typical
- Water-Cooled Anode
- Coaxial Launch into WR-975
- External Electromagnet



## 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:	30 kW	30 kW
Anode Voltage:	14 kV	12.8 kV
Anode Current:	3.5 A	3.0 A
Efficiency:	61%	78%
Filament Voltage (Standby):	12.6 V	12.0 V
Filament Current:	115 A	112 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:	40 cfm	
Weight, Maximum:	15 lbs / 6.81 Kg	

## Dimensions (Inches):



## Filament Current Backdown Schedule:

