



Magnetron Specifications Data Sheet:

100 kW CW L-band Magnetron

Model #: CWM-100L

Microdry Incorporated

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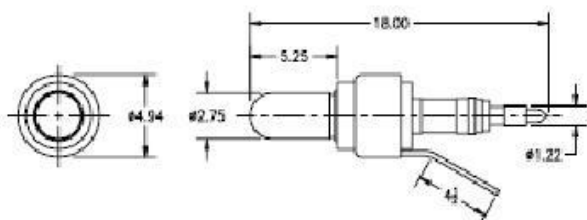
- 896, 915, 922, & 929 MHz and Custom Versions
- CW Power Output – 100 kW
- 88% Efficiency, Typical
- Water-Cooled Anode
- Coaxial Launch into WR-975
- External Electromagnet



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:	100 kW	100 kW
Anode Voltage:	20 kV	19.5 kV
Anode Current:	6.0 A	5.8 A
Efficiency:	83%	88%
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	
Cooling:		
Water Flow (Anode) Minimum:	4 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:

