

100 kW CW L-band Magnetron

Model CWM-100L

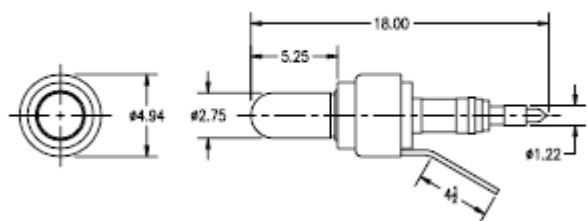
- 896, 915, 922 & 929 MHz and custom versions
- CW Power Output - 100 kW
- 88% efficiency, typical
- Water-cooled anode
- Coaxial launch into WR-975
- External electromagnet



Specifications:

Characteristic	Specification	Typical
Frequency of operation (fixed):	896, 915, 922 & 929 MHz versions	Custom frequencies available
Frequency variation	+/- 10MHz	+/- 5MHz
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	

Tube Outline Dimensions (inches):



Filament Current Backdown Schedule:

