

30 kW CW L-band Magnetron

Model CWM-30L

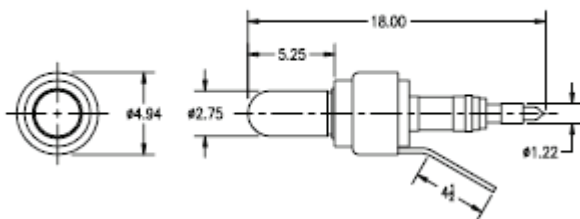
- 896, 915, 922 & 929 MHz and custom versions
- CW Power Output - 30 kW
- 78% efficiency, typical
- Water-cooled anode
- Coaxial launch into WR-975
- External electromagnet



Specifications:

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

Tube Outline Dimensions (inches):



Filament Current Backdown Schedule:

