

# PRODUCT DATA SHEET

## 75 kW CW L-band Magnetron

## Model GLCWM-75L

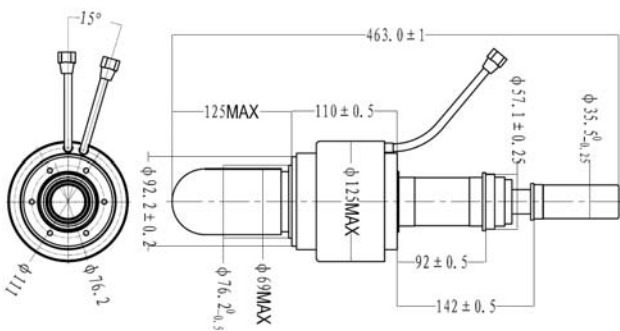
- 915 Mhz
- CW Power Output-75kW
- 88% efficiency, typical
- Water-cooled anode
- Coaxial launch into WR-975
- External electromagnet



### Specifications:

Characteristic	Specification	Typical
Frequency of operation(fixed):	915 MHz	915MHz
Frequency variation	+/- 10MHz	+/- 5MHz
CW Power output:	75kW	75kW
Anode Voltage:	18kV	17kV
Anode Current:	5.0A	5.0A
Efficiency:	83%	88%
Filament Voltage(standby):	12.6V	12.0V
Filament Current:	115A	112A(See filament current
Load VSWR, maximum:	1.15:1(circulator required)	Backdown schedule)
RF launch type:	Coaxial,into WR-975	
<b>Cooling</b>		
Water Flow(anode), minimum:	15 L/min	
Air Flow(cathode), minimum:	142 L/min	
Air Flow(dome), minimum:	1133 L/min	
Weight:	7kg	

### Tube Outline Dimensions:



### Filament Current Backdown Schedule:

