

GLCWM-75LJ MAGNETRON

The GLCWM-75LJ is a 75KW fixed-tuned ,magnetically-focused ,air and liquid-cooled, ceramic-metal magnetron designed for industrial processing applications. It can continuously generate 75KW of useful power at 915 MHz with efficiencies approaching 88 percent.

PERFORMANCE CHARACTERISTICS

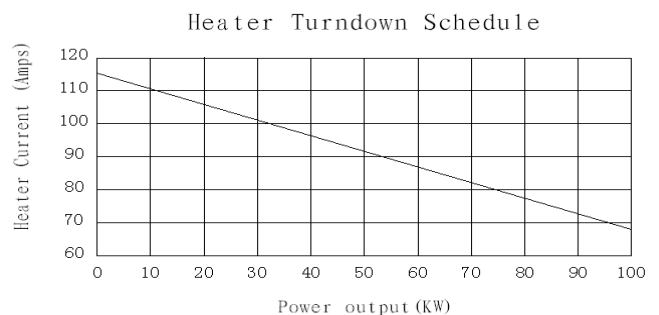
Frequency.....	896, 915 MHz
Power output.....	75KW
Anode voltage.....	19kV
Anode current.....	6. 0A
Efficiency.....	85%
Filament voltage.....	12. 6V
Filament current	115A
Max Load VSWR.....	1. 5:1
Max Inlet Water Pressure.....	100psi
Max Outer Water Temperature.....	70°C
Max Anode Dissipation.....	25KW

TYPICAL OPERATING CONDITIONS

Frequency.....	915 MHz
CW outer Power.....	75Kw
Anode voltage.....	18kV
Anode current.....	4. 75A
Efficiency.....	88%
Filament voltage.....	12. 6VAC
Filament current(standby)	115A
Filament current(operating).....	80A
Electromange Current	4. 0A
Load VSWR.....	1. 2:1
Anode Water Flow	5gpm
Anode Cooling Temperature Rise.....	15°C
Cathode Airflow.....	5 cfm
Dome Airflow.....	40cfm

MECHANICAL DESCRIPTION

Mounting Position	Any
Maximum Length.....	464mm
Maximum Diameter.....	125. 5mm
Terminal Connection.....	see Outline
Weight	7Kg



OUTLINE DRAWING

