

## GDCWM-75LJ MAGNETRON

The GDCWM-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

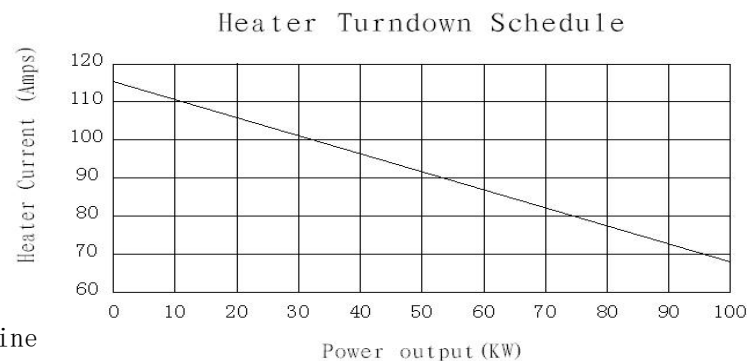
Frequency.....	896, 915 MHz
Power output.....	75KW
Anode voltage.....	19kV
Anode current.....	6.0A
Efficiency.....	85%
Filament voltage.....	12.6V
Filament current .....	115A
Max Load VSWR.....	1.5:1
Max Inlet Water Pressure.....	100psi
Max Outer Water Temperature.....	32°C
Max Anode Dissipation.....	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
Electromagne Current .....	4.0A
Load VSWR.....	1.2:1
Anode Water Flow .....	5 gpm
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



OUTLINEDRAWING

