

GDCWM-100LJ MAGNETRON

The GDCWM-100LJ is a 100KW fixed-tuned, magnetically-focused, air and liquid-cooled, ceramic-metal magnetron designed for industrial processing applications. It can continuously generate 100KW of useful power at 915 MHz with efficiencies approaching 86 percent.

PERFORMANCE CHARACTERISTICS

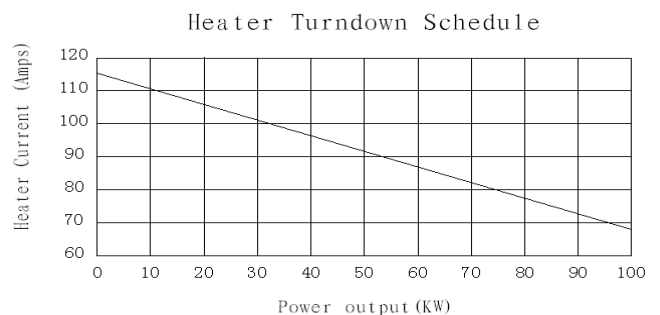
Frequency.....	896, 915 MHz
Power output.....	100KW
Anode voltage.....	21kV
Anode current.....	6.5A
Efficiency.....	85%
Filament voltage.....	12.6V
Filament current	115A
Max Load VSWR.....	1.5:1
Max Inlet Water Pressure.....	100psi
Max Outer Water Temperature.....	70°C
Max Anode Dissipation.....	25KW

TYPICAL OPERATING CONDITIONS

Frequency.....	915 MHz
CW outer Power.....	100Kw
Anode voltage.....	18.8kV
Anode current.....	6.2A
Efficiency.....	86%
Filament voltage.....	12.6VAC
Filament current(standby)	115A
Filament current(operating).....	69A
Electromagne Current	5.2A
Load VSWR.....	1.5:1
Anode Water Flow	5.5 gpm
Anode Cooling Temperature Rise.....	15°C
Cathode Airflow.....	15 cfm
Dome Airflow.....	40cfm

MECHANICAL DESCRIPTION

Mounting Position	Any
Maximum Length.....	464mm
Maximum Diameter.....	125.5mm
Terminal Connection.....	see Outline
Weight	7Kg



OUTLINE DRAWING

