

GDCWM-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

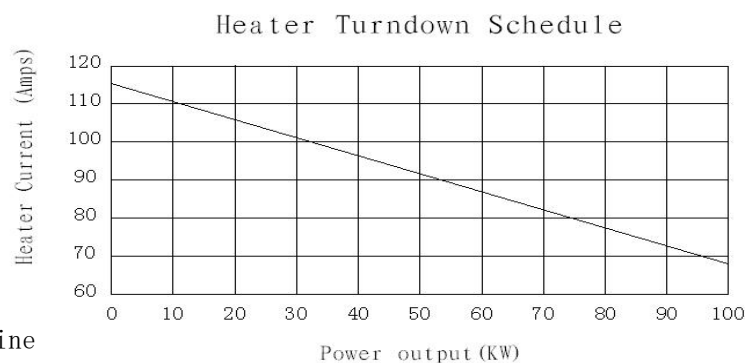
Frequency..... 896,915 MHz
 Power output.....75KW
 Anode voltage.....19kV
 Anode current.....6.0A
 Efficiency.....85%
 Filament voltage.....12.6V
 Filament current115A
 Max Load VSWR.....1.5:1
 Max Inlet Water Pressure.....100psi
 Max Outer Water Temperature.....32℃
 Max Anode Dissipation.....25KW

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 Current4.0A
 Load VSWR.....1.2:1
 Anode Water Flow5 gpm
 Anode Cooling Temperature Rise.....15℃
 Cathode Airflow.....5 cfm
 Dome Airflow.....40cfm

MECHANICAL DESCRIPTION

Mounting PositionAny
 Maximum Length.....464mm
 Maximum Diameter.....125.5mm
 Terminal Connection.....see Outline
 Weight7Kg



OUTLINEDRAWING

