

GDCWM-15kW MAGNETRON

The GDCWM-15kW magnetron is a fixed-frequency 2450MHz, permanent magnet packaged ceramic-metal high-power microwave tube. The anode is liquid-cooled, while the output window and cathode end are air-cooled, enabling continuous and stable output of 15kW microwave power.

PERFORMANCE CHARACTERISTICS

Frequency..... 2450±10 MHz
Power output.....15KW
Anode voltage.....12.5±0.2kV
Anode current.....1.8A
Efficiency.....≥66%
Filament voltage (47A)12.6V
Filament current(operating)47A
Max Load VSWR.....1.5:1
Max Outer Water Temperature.....45℃
Weight1.6Kg

TYPICAL OPERATING CONDITIONS

Frequency.....2450 MHz
CW outer Power.....15Kw
Anode voltage.....12.5kV
Anode current.....1.8A
Efficiency.....66%
Filament voltage.....8.0VAC
Filament current(operating)47A
Filament current(full power).....29A
Load VSWR.....1.1:1
Anode Water Flow>10L/min
Cathode Airflow.....300L/min
Dome Airflow.....500L/min



OUTLINE DRAWING

