

75 kW L-Band CW Magnetron

A high output power 75 kW L-band CW magnetron that delivers 75 kW minimum continuous output power at typical 88% efficient operation.

FEATURES

- 896, 915, 922 and 929 MHz
- CW Power Output - 75 kW
- 88% efficiency, typical
- Water-cooled anode
- Coaxial launch into WR-975
- External electromagnet



CHARACTERISTICS:

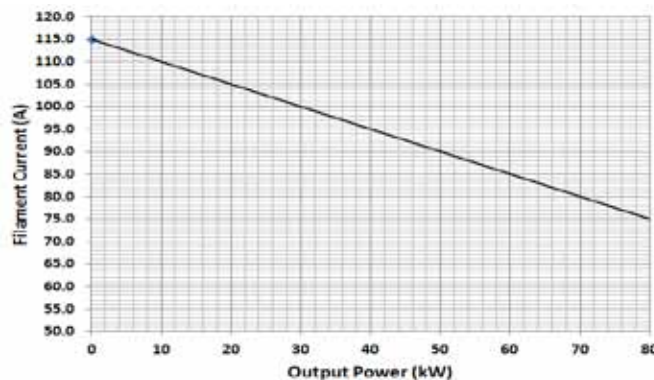
Frequency of Operation (fixed)	896, 915, 922, 929 MHz
Frequency Variation	± 10 MHz
Continuous CW Power Output	75 kW (min)
Anode Voltage	17 - 18 kV
Anode Current	5.0 A
Efficiency	83 - 88 %
Filament Voltage (standby)	12.0 - 12.6 V
Filament Current (standby) (see chart)	112 - 115 A
Load VSWR (circulator required)	1.1:1

COOLING REQUIREMENTS:

Cooling (water flow, anode min)	3 gpm
Cooling (air flow, cathode min.)	5 cfm
Cooling (air flow, dome min)	40 cfm

MECHANICAL:

RF Launch Type	Coaxial, into WR-975
Weight (max.)	15 lbs (6.8 Kg)
Overall Dimensions:	
Length	18.00 Inches
Diameter	4.94 Inches



The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI Econco for use in equipment design.