

Microwave Techniques L-Band 75kW Magnetron Tube | L10016-5

Magnetron tubes are an integral part of a microwave system. These high-power units deliver 75 kilowatts of highly efficient, CW power to several demanding industrial microwave processing applications.

FEATURES:

- 896, 915, 922 & 929 MHz
- CW Power Output - 75 kW
- 88% efficiency, typical
- Water-cooled anode
- Coaxial launch into WR-975
- External electromagnet
- L-Band Magnetron
- RCA Filament Connector
- Individually tuned
- Made in the USA
- Refurbishment programs
- Options for 100 kW



Electrical Specifications

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

Cooling Requirements

Cooling (water flow, anode min.)	4 gpm
Cooling (air flow, cathode min.)	5 cfm
Cooling (air flow, dome min.)	40 cfm

Mechanical Specifications

RF launch type	Coaxial, into WR-975
Weight (maximum)	15 lbs. (6.81 kg)
Overall dimensions:	
Length	18 in. (45.72 cm)
Diameter	4.94 in. (12.55 cm)