



Magnetron Specifications Data Sheet:

10 kW CW S-band Magnetron

Model #: CWM-10S

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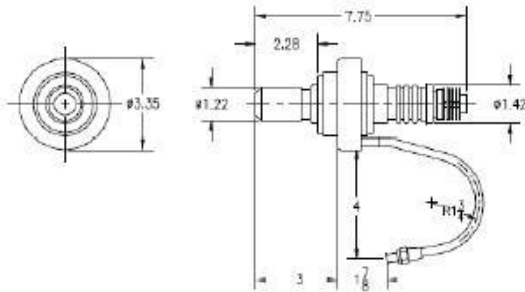
- 2450 MHz Operation
- CW Power Output – 10 kW
- 68% Efficiency, Typical
- Water-Cooled Anode
- Coaxial Launch into WR-430
- External Electromagnet



Specifications:

Characteristic:	Specification:	Typical:
Frequency of Operation (Fixed):	2450 MHz	2450 MHz
Frequency Variation:	+/- 30 MHz	+/- 10 MHz
CW Power Output Minimum:	10 kW	10.2 kW
Anode Voltage:	12.5 kV	12.0 kV
Anode Current:	1.4 A	1.25 A
Efficiency:	58%	68%
Filament Voltage (Standby):	9.5 V	9.5 V (see filament current backdown Schedule)
Filament Current:	50 A +5, -0	50 A
Load VSWR, Maximum:	1.5:1 (circulator required)	
RF Launch Type:	Coaxial, into WR-430	
Cooling:		
Water Flow (Anode) Minimum:	2.5 gpm	
Air Flow (Cathode) Minimum:	10 cfm	
Air Flow (Dome), Minimum:	20 cfm	
Weight, Maximum:	3.5 lbs / 1.59 Kg	

Dimensions (Inches):



Filament Voltage Backdown Schedule:

