

10 kW CW S-band Magnetron

Model CWM-10S

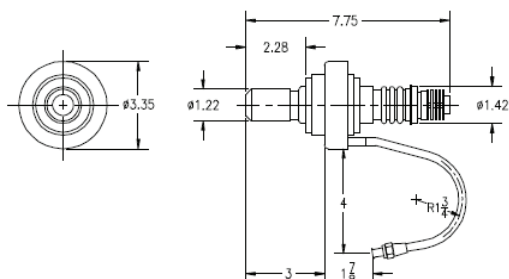
- 2450 MHz operation
- CW Power Output - 10 kW
- 68% efficiency, typical
- Water-cooled anode
- Coaxial launch into WR-430
- External electromagnet



Specifications:

Characteristic	Specification	Typical
Frequency of operation (fixed):	2450 MHz	2450 MHz
Frequency variation	+/- 30MHz	+/- 10MHz
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/6.159 Kg	

Tube Outline Dimensions (inches):



Filament Current Backdown Schedule:

