

**30 kW CW S-band Magnetron**

**Model CWM-30S**

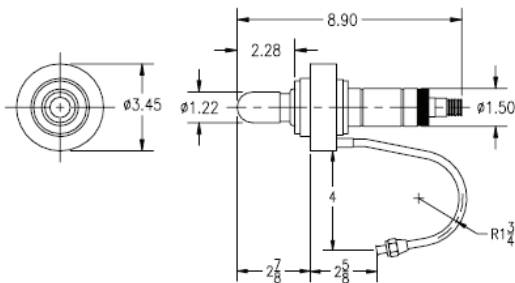
- 2450 MHz operation
- CW Power Output - 30 kW
- 71% efficiency, typical
- Water-cooled anode
- Coaxial launch into WR-430
- External electromagnet



**Specifications:**

Characteristic	Specification	Typical
Frequency of operation (fixed):	2450 MHz	2450 MHz
Frequency variation	+/- 30MHz	+/- 10MHz
CW Power output, minimum:	30 kW	31 kW
Anode Voltage:	15.5 kV	15.2 kV
Anode Current:	2.8 A	2.8 A
Efficiency:	67%	71%
Filament Voltage (standby):	9.5 V	9.5 V (See filament current backdown schedule)
Filament Current:	54 A +/-3 A	54 A
Load VSWR, maximum:	1.5:1 (circulator required)	
RF launch type:	Coaxial, into WR-430	
<b>Cooling</b>		
Water Flow (anode), minimum:	2.5 gpm	
Air Flow (cathode), minimum:	10 cfm	
Air Flow (dome), minimum:	20 cfm	
Weight, maximum:	4.0 lbs/6.1.8 Kg	

**Tube Outline Dimensions (inches):**



**Filament Current Backdown Schedule:**

