

Communications & Power Industries Coaxial Magnetron



The VMC1694 is a coaxial magnetron delivering high peak and average RF power for use in various radar transmitters.

The VMC1694 will mount directly into new and existing sockets and can be operated under various pulse and input conditions to accommodate wide ranging operating requirements. In addition to high power, the VMC31694 provides excellent frequency stability, low jitter and long life.

FEATURES:

- Frequency 5.60-5.65 GHz
- Peak power output 250 kW
- Duty cycle .0005
- Air cooled
- Mechanically tunable

BENEFITS:

- High power
- Long life

APPLICATIONS:

- Weather radars

CPI C-Band 250 kW Coaxial Magnetron: VMC1694

Electrical Specifications

Frequency	5.6 – 5.65 GHz
Peak Power Output	250 kW
Average Power Output	0.175 kW
Pulse Voltage	26.0 – 28.0 kV
Peak Anode Current	35 A
Average Anode Current	13.0 mA
Pulse Width	3.0 μ S
Duty Cycle	0.0007
Maximum Filament Voltage	10.5 V
Maximum Filament Current	13.0 A
Minimum Warm-Up Time	300 S
Maximum Load VSWR	1.5:1

Mechanical and Environmental Specifications

Cooling	Forced air
Maximum Body Temperature	120°C
Mounting Position	Any
Support	Mounting flange
Coupling	UG 148 B/U choke flange
Weight	33 lbs. (14.97 kg)

*Electrical specifications are typical. Other operating conditions are obtainable.

With a history of producing high quality products, we can help your with magnetron.

Contact us at BMDMarketing@cpii.com or call us at +1 978-922-6000.

