



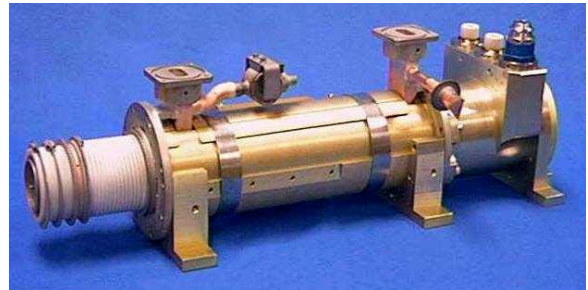
communications

Electron Devices

L6060 Traveling Wave Tube

Features

- 9.0 to 10.0 GHz
- 60 KW Min. Peak Power
- High Efficiency (2 Stage Collector)
- 3.5% Duty
- Liquid Cooled



Performance

Frequency 9.0 to 10.0 GHz
 Peak RF Power Output 60 KW min.
 Duty 3.5% max.
 RF Drive Power Input 33 dBm min.
 Pulse Width up to 150 µsec

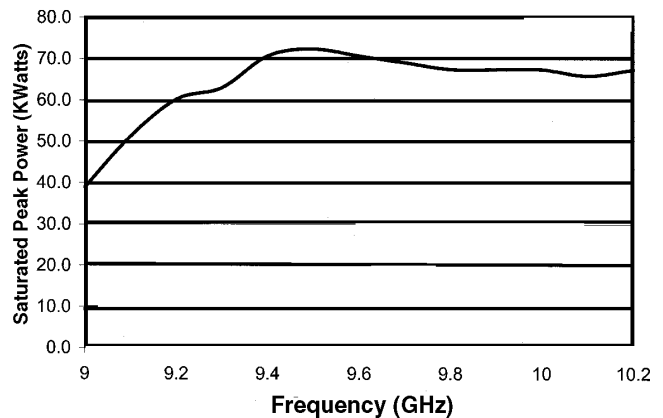
Mechanical

Mounting Position Any
 Dimensions 20" x 6" x 6"
 Weight 20 Lbs max.
 RF Output Flange UG-135/U

Typical Operating Parameters

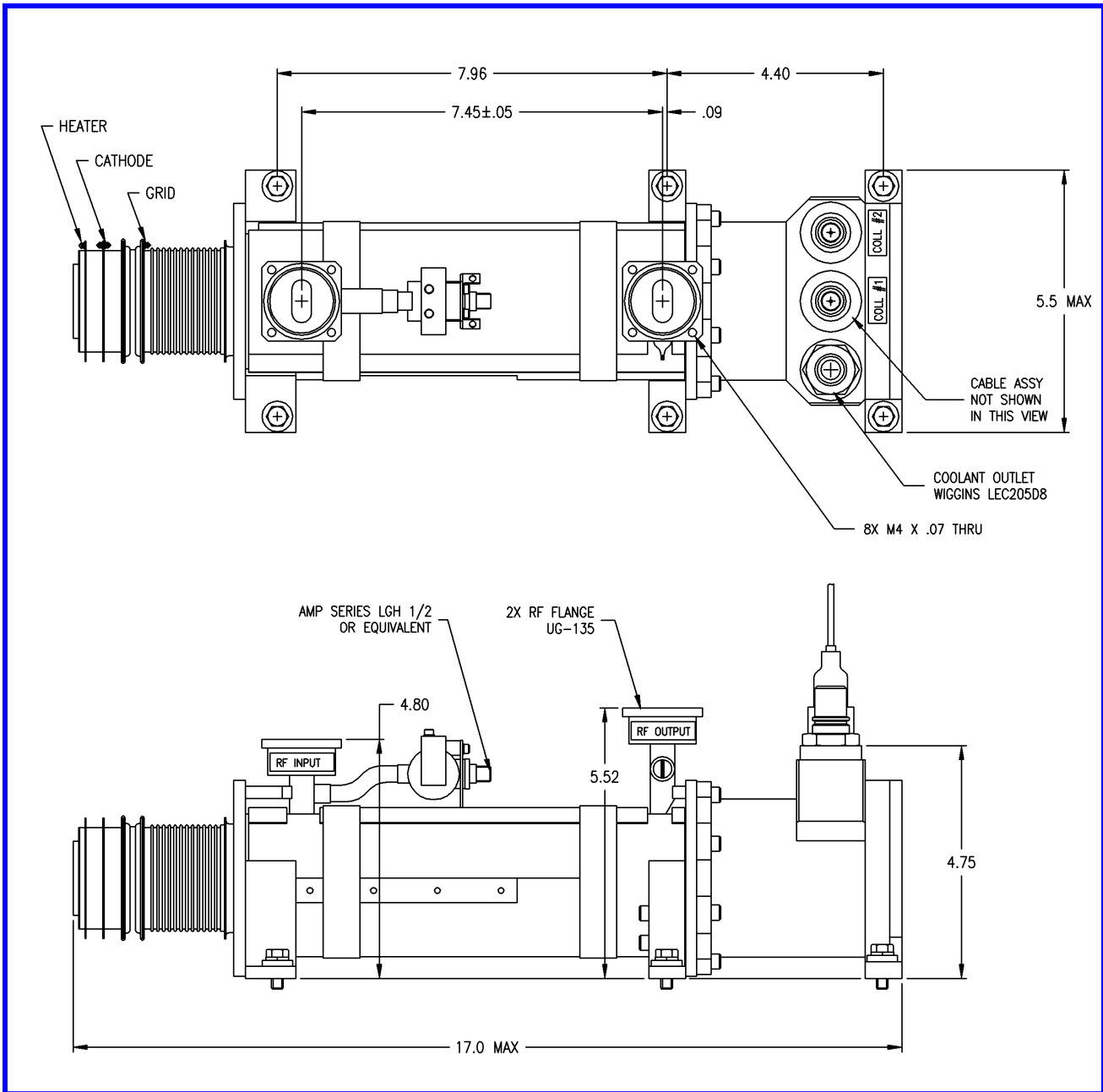
Cathode Voltage -34.5 KV
 Peak Cathode Current 7.6 A
 Collector Voltage #1 24.5 KV
 #2 17.9 KV
 Peak Body Current (with RF) 0.8 A max.
 Grid Bias -400 V
 Peak Grid Drive +400 V
 Heater Voltage -11.0 V
 Heater Current 3.8 A
 Liquid Cooling @ 30°C Inlet 3 GP min.
 Operating Temperature -40 to +70°C
 Prime Power @ max. duty 5000 W max.
 All voltages are with respect to cathode

The L6060 is an X-Band Coupled Cavity Traveling Wave Tube. Its rugged compact design is suitable for use in airborne radar systems. The tube is liquid cooled to achieve the 3.5% duty. It has a shadow gridded gun with a two stage depressed collector for high efficiency. The cathode is an F-type low temperature design for long life. Special clad cloverleaf pole pieces and special body cooling is used for reliable long pulse and high average power operation. The tube is PPM focused with samarium cobalt magnets. DS60601102



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L6060 Outline Drawing



Current detailed outline drawings are available on request. Specifications and features are subject to change without notice.