



communications

Electron Devices

L6060 Traveling Wave Tube

Features

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

Performance

Frequency9.5 to 10.0 GHz
Peak RF Power Output60 KW min.
Duty.....3.5% max.
RF Drive Power Input.....33 dBm min.
Pulse Width.....up to 150 μ sec

Mechanical

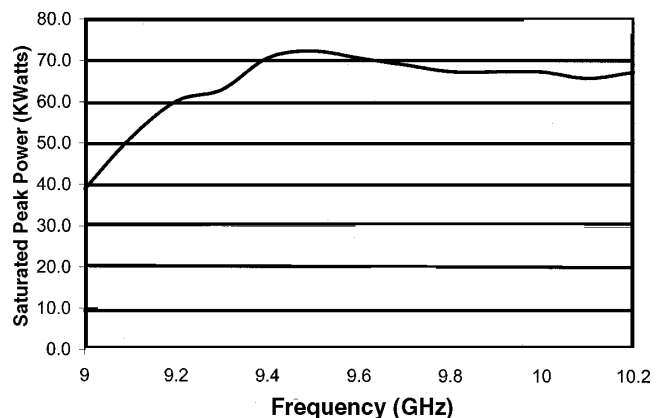
Mounting Position Any
Dimensions 20" x 6" x 6"
Weight.....20 Lbs max.
RF Output FlangeUG-135/U

Typical Operating Parameters

Cathode Voltage-34.5 KV
Peak Cathode Current 7.6 A
Collector Voltage #124.5 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. duty5000 W max.
All voltages are with respect to cathode

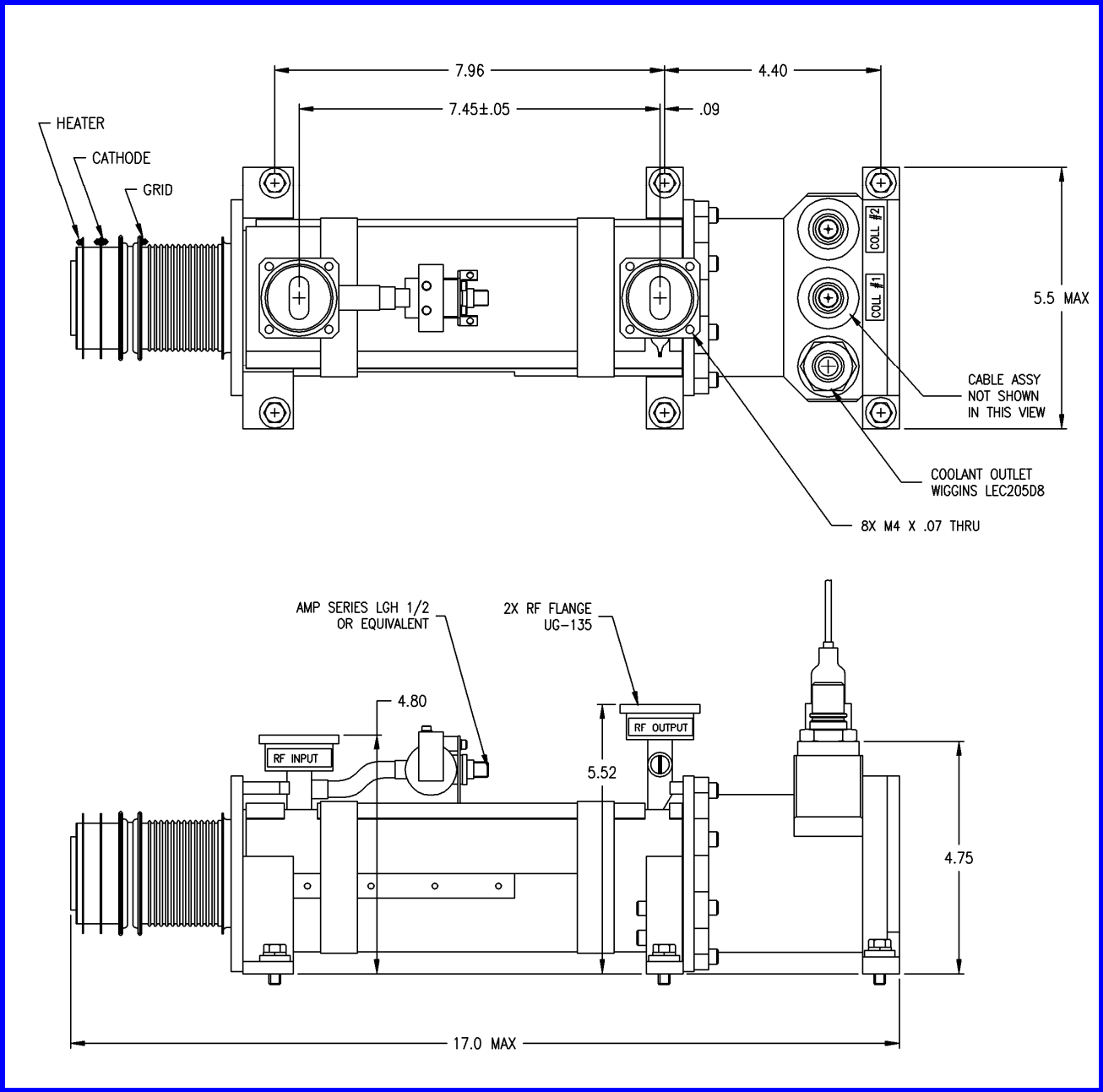


The L6060 is an X-Band Coupled Cavity Traveling Wave Tube. Its rugged compact design is suitable for use in airborne radar systems. The tube is liquid cooled to achieve the 3.5% duty. It has a shadow gridded gun with a two stage depressed collector for high efficiency. The cathode is an F-type low temperature 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.