

5767

6481

Up to 3.3 Gc ◀
 Low Internal Lead Inductance ◀
 Folded Discs ◀

Litton Planar Triode Types 5767 and 6481 are intended primarily for use in microwave circuits as CW oscillators at frequencies up to 3.3 Gc. These planar-electrode disc-seal triodes may be used as integral parts of a tuned cavity. Their low internal lead inductance make these tubes well adapted to lumped constant circuits. The mechanical configuration was designed for use in butterfly type circuits, since it is easily clamped into the circuit by beryllium straps. The 5767 has a slightly lower anode-to-cathode capacitance which makes it perform well in broadband tunable oscillator circuits.

**ABSOLUTE MAXIMUM PARAMETERS
 PER PARA. 6.5 MIL-E-1D**

Heater Voltage (AC or DC).....	7.0 V
Heater Current	0.45 A
Anode Voltage.....	350 Vdc
Anode Dissipation.....	5.0 W
Seal Temperature.....	200° C
Operating Frequency.....	3.3 Gc

DIRECT INTERELECTRODE CAPACITANCES

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Grid Anode.....	1.45	1.47 pf
Grid Cathode	1.30	1.27 pf
Anode Cathode.....	0.015	0.023 pf

TUBE CHARACTERISTICS (Typical)

Transconductance.....	4500 umhos
Amplification Factor.....	25
Grid Voltage for $I_b = 10 \mu\text{Adc}$	-15 V

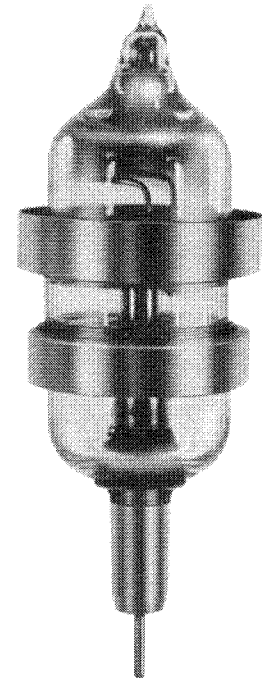
Above parameters measured at $E_f=6.3 \text{ V}$, $E_b=180 \text{ V}$, $R_k=400 \text{ ohms}$, and $I_b=12.0 \text{ mAdc}$.

OPERATING CHARACTERISTICS (Typical)

- (1) UHF Oscillator CW¹
 - Anode Voltage.....200 Vdc
 - Anode Current.....35 mAdc
 - Frequency.....1.0 Gc
 - Power Output.....2.0 W
 - Heater Voltage.....6.3 Vac
- (2) UHF Oscillator CW¹
 - Anode Voltage.....200 Vdc
 - Anode Current.....25 mAdc
 - Frequency.....3.3 Gc
 - Power Output.....400 mw
 - Heater Voltage.....6.3 Vac
- (3) UHF Oscillator CW Tunable
 - Anode Voltage.....325 Vdc
 - Anode Current.....40 ma
 - Frequency.....200-900 Mc
 - Power Output.....300 mw
 - Heater Voltage.....6.3 Vac

NOTE:

- 1. In a tunable cavity designed for the indicated frequency ranges.



PLANAR TUBE

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