

VARIAN ASSOCIATES

TEST DATA SHEET

KLYSTRON TYPE V-45

Serial No. 0039
Date 6/7/61

STATIC CHARACTERISTICS

Heater Voltage (E_f) 6.3 v. Emission
Heater Current (I_f) 1.0 a. @ E_f 5.7 v. (I_{rs}/I_{rs}) 1 %
Resonator Voltage (E_{rs}) 650 v.
Resonator Current (I_{rs}) 31 ma.

OPERATING CHARACTERISTICS

Input Frequency 1862 mc. Output Frequency 9310 mc.

E_{rs}	I_{rs}	Incident Drive Power watts	Matched Load Power Output milliwatts \neq
650	31	1	351

BASE CONNECTIONS

- 1. Shell
- 2. Blank
- 3. Internal Connection
- 4. Heater *
- 5. Cathode *
- 6. Heater
- 7. N.C.
- 8. Blank

* Pins 4 & 5 are internally connected

\neq Drive power optimized and tuning screws adjusted to give maximum power output.

REFER TO THE OPERATING AND INSTALLATION INSTRUCTIONS FOR KLYSTRON TYPE V-45 BEFORE