2K25

SHF REFLEX KLYSTRON

The type 2K25 is a reflex klystron operating over a frequency range of 8,500 to 9,660 Mc and delivering a power output of 20 mW (min.) at 9,370 Mc, 300 Volts on resonator.

STRUCTURAL FEATURES

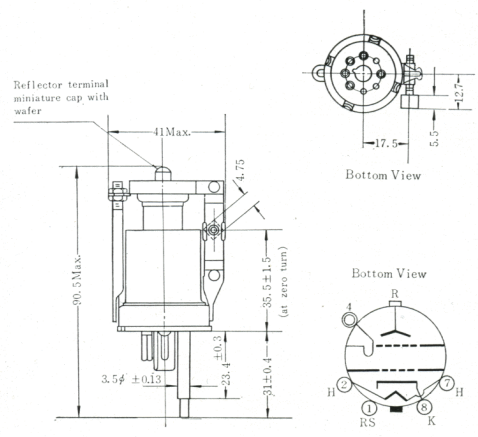
Integral cavity and full-range tuner, coaxial output line through base of tube designed for use with broad-band waveguide starting section.

GENERAL CHARACTERISTICS

Frequency Range	8,500 to 9,660 Mc
Cathode	Oxide-coated, indirectly heated
Heater Voltage	6.3 Volts
Heater Current	0.44 Amperes

MECHANICAL FEATURES

Resonant Cavity	Integral part of the tube
Envelope	Metal
Base	Small wafer, octal, 4 pins and coaxial output terminal
Weight	45 g



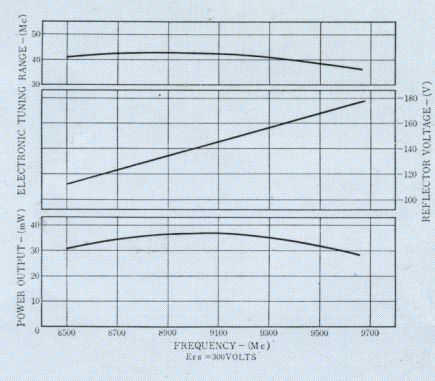
Note: Coaxial Output Line passes through vacant pin position No. 4

MAXIMUM RATINGS

Resonetor Voltage	330 Volts
Resonetor Current	37 Milliamperes
Heater Voltage	5.8~6.8 Volts
Heater to Cathode Voltage	±50 Volts
Reflector Voltage	0 to −400 Volts

TYPICAL OPERATING DATA

Frequency	9,370Mc
Resonator Voltage	300 Volts
Resonator Current	25 Milliamperes
Reflector Voltage	−130 to −180 Volts
Reflector Current	Less than 1 Microampere
Electronic Tuning Range	40 Mc
Power Output	35 Milliwatts



NOTICE

1. The heater voltage must be applied one minute before resonator voltage is applied.
2. The reflector voltage must always be applied before resonator voltage.
3. The reflector must never become positive with respect to the cathode.

2K26

SHF REFLEX KLYSTRON

The type 2K26 is a reflex klystron operating over a frequency range of 6,250 to 7,060 Mc and delivering a power output of 80 mW (min.) at 6,660 Mc, 300 Volts on resonator.

STRUCTURAL FEATURES

Integral cavity and full-range tuner; coaxial output line through base of tube designed for use with broad-band waveguide starting section.

GENERAL CHARACTERISTICS

Frequency Range ..... 6,250 to 7,060 Mc
Cathode Oxide-coated, indirectly heated
Heater Voltage ..... 6.3 Volts
Heater Current ..... 0.44 Amperes

MECHANICAL FEATURES

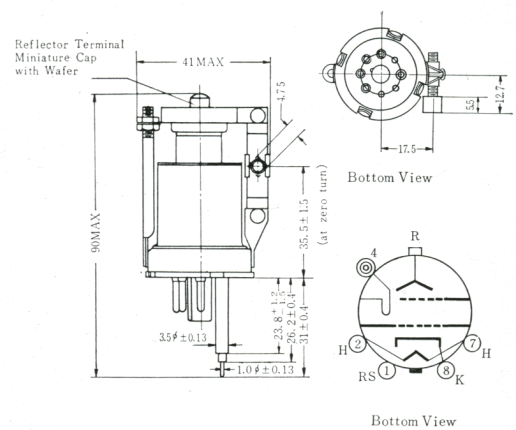
Resonant Cavity ..... Integral part of the tube
Envelope ..... Metal
Base ..... Small wafer, octal, 4 pins and coaxial output terminal
Weight ..... 45 g

MAXIMUM RATINGS

Resonator Voltage ..... 330 Volts
Resonator Current ..... 35 Milliamperes
Heater Voltage ..... 5.8 to 6.8 Volt
Heater to Cathode Voltage ..... ±50 Volts
Reflector Voltage ..... 0 to −350 Volts

TYPICAL OPERATING DATA

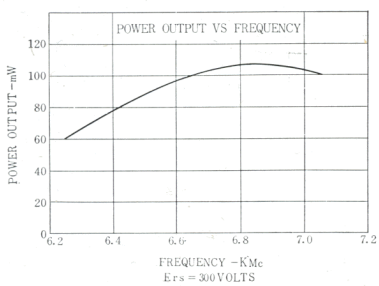
Frequency ..... 6,660 Mc
Resonator Voltage ..... 300 Volts
Resonator Current ..... 25 Milliamperes
Reflector Voltage ..... −70 to −115 Volts
Reflector Current ..... Less than 1 Microampere
Electronic Tuning Range ..... 50 Mc
Power Output ..... 100 Milliwatts

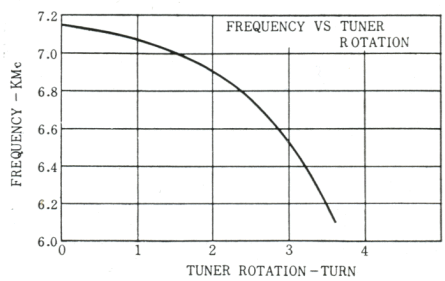


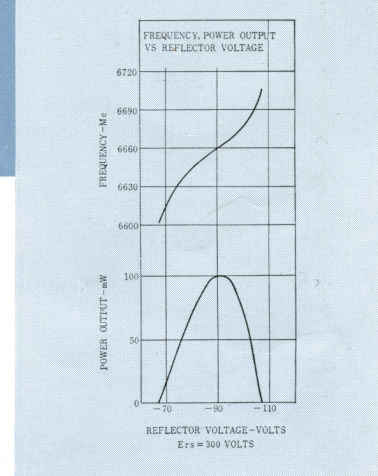
Note: Coaxial Output Line passes through vacant Pin Position No. 4

NOTICE

1. The heater voltage must be applied one minute before resonator voltage is applied.
2. The reflector voltage must always be applied before the resonator voltage.
3. The reflector must never become positive with respect to the cathode.







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