

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

MAXIMUM RATINGS

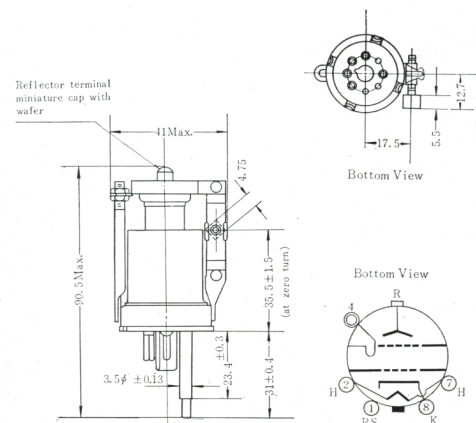
Resonator Voltage 330 Volts
Resonator Current 37 Milliampere
Heater Voltage 5.8~6.8 Volts
Heater to Cathode Voltage ± 50 Volts
Reflector Voltage 0 to -400 Volts

TYPICAL OPERATING DATA

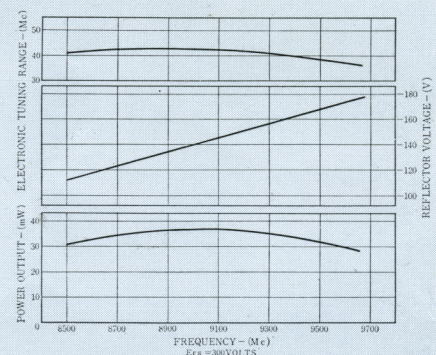
Frequency 9,370 Mc
Resonator Voltage 300 Volts
Resonator Current 25 Milliampere
Reflector Voltage -130 to -180 Volts
Reflector Current Less than 1 Microampere
Electronic Tuning Range 40 Mc
Power Output 35 Milliwatts

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.



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



Nippon Electric Company Ltd.

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

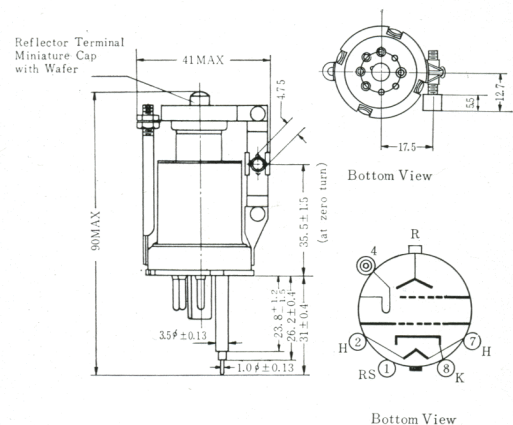
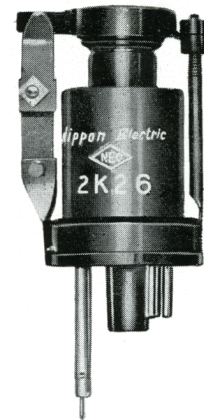
Resonator Voltage 330 Volts
Resonator Current 35 Milliampere
Heater Voltage 5.8 to 6.8 Volt
Heater to Cathode Voltage ± 50 Volts
Reflector Voltage..... 0 to -350 Volts

TYPICAL OPERATING DATA

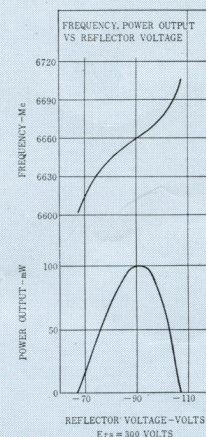
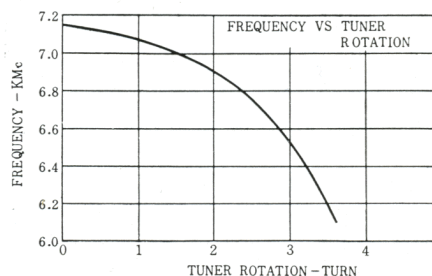
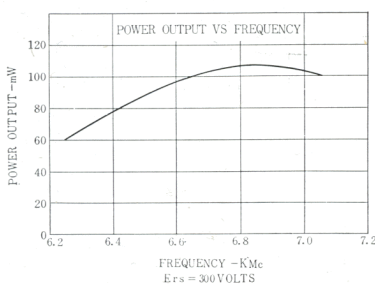
Frequency 6,660 Mc
Resonator Voltage 300 Volts
Resonator Current 25 Milliampere
Reflector Voltage..... -70 to -115 Volts
Reflector Current Less than 1 Microampere
Electronic Tuning Range 50 Mc
Power Output 100 Milliwatts

NOTICE

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



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



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