

HITACHI V5051 Reflex Klystron Oscillator

Description

Reflex klystron oscillator operating over a frequency range of 45 to 55 Gc and producing 30 mW (typical) at 600V beam voltage.

Applications

Local oscillator for millimeter wave receivers, low power generator, bench oscillator.

Features

Compact reflex klystron oscillator and easy single micro-mechanical tuning in an integral cavity structure, tube output flange is ready for both BRJ-500 and BRJ-600, (Japanese standard, wave guide inner dimensions are 4.78 x 2.39 mm, and 3.76 x 1.88 mm, respectively) high converging gun design provides long life expectancy.

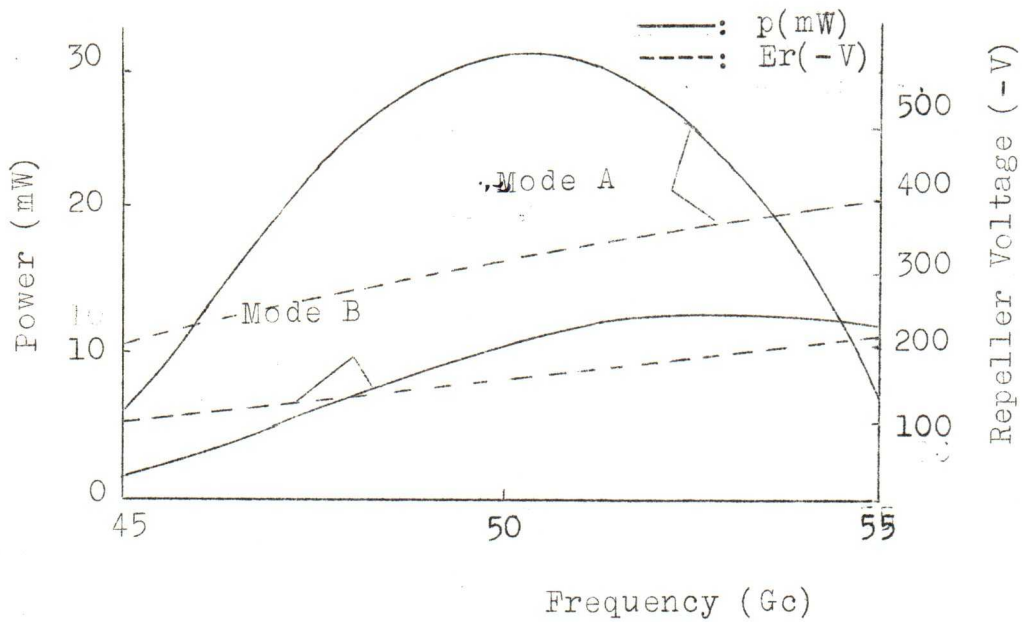
General Characteristics

Frequency Range	45 to 55Gc
Output Power (at 50Gc)	30 mW more than 10 mW
Heater Voltage (ac or dc)	6.3V \pm 10%
Heater Current	0.7amp.
Electronic Tuning Range (at 50 Gc)	70 to 120mc
Hysteresis	Absent



Typical Operation

Frequency	50Gc
Output Power	32mW
Load	Matched
Beam Voltage	600V
Beam Current	38mA
Reflector Voltage	-300V
Electronic Tuning Range	110mc



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