

ELECTRONIC TUBE REFERENCE

6625

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

KLYSTRON

Three-resonator tunable pulsed amplifier klystron covering approximately 960–1215 MHz, capable of about 22 kW peak RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 35 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Klystron
No fixed ratings recorded.
Klystron represented as Other section because no canonical Klystron SectionType exists.

Three-resonator tunable amplifier klystron for pulsed operation from 960 to 1215 MHz. It uses integral mechanically tuned resonators, electrostatic focusing, an indirectly heated oxide-coated cathode, forced-air cooling, and can deliver up to 22 kW peak RF output.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Klystron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	960 MHz	Published datasheet value
Frequency maximum	1215 MHz	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak beam voltage maximum	20 kV	Pulse
Peak beam current maximum	9.35 A	Pulse
Average beam power maximum	2400 W	Pulse
Average RF output power maximum	300 W	Pulse
Beam pulse width maximum	10 us	Pulse
Duty cycle maximum	12 percent	Pulse
Peak RF output power typical	22 kW	Pulse



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1968 GENERAL ELECTRIC CO

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	960 MHz	—
Frequency maximum	1215 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak output power	22 kW	—
Peak beam voltage	20 kV	—
Duty cycle	12 %	—

TUBE TINKER

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