



ELECTRONIC TUBE REFERENCE

6240

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Three-resonator tunable UHF television klystron designed for broadband visual-amplifier service over approximately 656-728 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 38 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Klystron	
MAXIMUM PLATE DISSIPATION	51000 W
<i>Special-purpose data not represented by fixed promoted fields are preserved in TUBE_SECTION_PARAMETER. Klystron maximum beam voltage/current, collector dissipation, RF drive/output, cooling, and frequency data are preserved as parameters; no semantically matching standard plate/screen promoted fields were forced.</i>	

Three-resonator tunable UHF television klystron from the GL-6237 through GL-6242 family for broadband visual-amplifier service.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Dissipation	51000 W	—
Synchronizing Peak Power Output	12 kW	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Minimum	470 MHz	—
Frequency Maximum	890 MHz	—
Power Gain Minimum	200	—

SOURCE OPERATING CONDITIONS

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

Section 1 · Klystron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyRange	656–728 MHz	—
TelevisionChannelRange	45–56	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumBeamVoltage	18 kV	BroadbandTelevision
MaximumBeamCurrent	3.25 A	BroadbandTelevision
MaximumCollectorDissipation	51 kW	BroadbandTelevision
TypicalBeamVoltage	17 kV	BroadbandTelevision; Bandwidth=6MHz
SynchronizingPowerOutput	12 kW	BroadbandTelevision; Bandwidth=6MHz
will provide	12 kW	—
gain of approximately	200 C	—
Heater Voltage	6.3 V	—
Pressure Drop at Rated Flow approximate	65 lb	—
Drift Tubes	2 gal/min	—
Pressure Drop at Rated Flow approximate	5 psi	—
Water Pressure	80 psi	—
Outlet Water Temperature	70 C	—
Output Seals	15 ft3/min	—
Glass Temperature	150 C	—
D- Beam Voltage	18 kV	—
Driving Power	15 C	—
Pedestal Level	33.7 W	—
Pedestal level	6.72 kW	—
heater voltage should be started at approximetely	8 V	—
proximately	2.5 A	—
v Saturation power level	18 C	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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