



ELECTRONIC TUBE REFERENCE

ZP1024

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Plate-pulsed grounded-grid oscillator triode for approximately 1.1 GHz Class C operation, producing about 15 kW useful pulse output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 3.8 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	6500 V
MAXIMUM PLATE DISSIPATION	150 W
MAXIMUM CATHODE CURRENT	6.5 A
<i>Promoted fields mapped semantically from printed ratings/characteristics headings; pulsed and microwave-specific limits remain in parameter rows when fixed-field semantics are ambiguous.</i>	

Plate-pulsed grounded-grid oscillator triode; supplied source pages publish 1100 MHz Class C operation with 15 kW useful pulse 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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
OperatingFrequency	1100 MHz	GroundedGrid;ClassC;PlatePulsed
PlateVoltageDuringPulse	6 kV	GroundedGrid;ClassC
PlateCurrentDuringPulse	6.25 A	GroundedGrid;ClassC
UsefulPowerOutputDuringPulse	15 kW	GroundedGrid;ClassC
PulseWidth	1 us	—
DutyFactor	0.001	—



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

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
viding useful output at frequencies up to approximately	1700 MHz	viding useful output at frequencies up to approximately 1700 megacycles.
DC Plate Voltage, during pulse it ittt	6.5 kV	DC Plate Voltage, during pulse it ittt 6.5 Kilovolts

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Plate Current, during pulse it	6.5 A	DC Plate Current, during pulse it 6.5 Amperes
DC Grid Voltage, during pulse it	-400 V	DC Grid Voltage, during pulse it -400 Volts
Plate Dissipation i vt i it e it e e e e e	150 W	Plate Dissipation i vt i it e it e e e e e 150 Watts
Grounded-Grid Service at	1100 MHz	Grounded-Grid Service at 1100 Megacycles, 3/4 A Output Circuit
DC Plate Voltage, during pulse 0ttt een oo e e	6 kV	DC Plate Voltage, during pulse 0ttt een oo e e 6.0 Kilovolts
DC Plate Current, during pulse t v ittt ie it s cnneonoenanean	6.25 A	DC Plate Current, during pulse t v ittt ie it s cnneonoenanean 6.25 Amperes
DC Grid Current, during pulse i ittt i it ittt et s e e	2.5 A	DC Grid Current, during pulse i ittt i it ittt et s e e 2,5 Amperes
Power Output, during pulse (Useful) i v i it vt ittt ottt s it oon v e o	15 kW	Power Output, during pulse (Useful) i v i it vt ittt ottt s it oon v e o 15 Kilowatts
Diameter A	0.03 in	Diameter A - 0,030 inches
Diameter B	0.036 in	Diameter B - 0,036 inches
Diameter C	0.042 in	Diameter C - 0,042 inches
ment terminal diameter (B)	0.016 in	ment terminal diameter (B) - 0.016 inches,

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Temperature \$, maximum vtnan	250 C	Anode Temperature \$, maximum vtnan 250 C
Ceramic Temperature at Any Point, maximum	200 C	Ceramic Temperature at Any Point, maximum 200 C

TUBE TINKER

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