

ELECTRONIC TUBE REFERENCE

ZP1026

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Heat-sink-cooled General Electric power triode for grid-pulsed amplifier operation in the L-band. Multi-kilovolt plate capability and specialized pulse construction support high-power microwave transmitter service.

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

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	110 W
Promoted fields mapped semantically from printed ratings/characteristics headings; pulsed and microwave-specific limits remain in parameter rows when fixed-field semantics are ambiguous.	

Heat-sink-cooled triode designed for grid-pulsed amplifier service in L-band.



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
Heater Voltage*. . . . e e e e e e e e	6.3 V	Heater Voltage*. . . . e e e e e e e 6.3 Volts
Heater Current i i i i i t i i t i t i e t e e e e e e e e	3.8 A	Heater Current i i i i i t i i t i t i e t e e e e e e e e 3.8 Amperes
DC Plate Voltage . . . v . v v t i t e t i t i t e t e s t o t s e t t t i a e s e	2.5 kV	DC Plate Voltage . . . v . v v t i t e t i t i t e t e s t o t s e t t t i a e s e 2.5 Kilovolts
DC Grid Voltage . . . v v t i t i t e e i t i t e e e t e a s e s e t s i s s s e s a s o n s	-200 V	DC Grid Voltage . . . v v t i t i t e e i t i t e e e t e a s e s e t s i s s s e s a s o n s -200 Volts
Plate DisSsipation i i i i i t i t t t s e e e e e e e e e e e	110 W	Plate DisSsipation i i i i i t i t t t s e e e e e e e e e e 110 Watts
Pulse Width o i t t t i t i t i t i t e t i t e e t e t e e e e e e e	10 us	Pulse Width o i t t t i t i t i t e t i t e e t e e e e e e e 10 Microseconds
DC Plate Voltage i i t i t i e t i t e t i t e s e e s a i s s e s t e e e	2000 V	DC Plate Voltage i i t i t i e t i t e t i t e s e e s a i s s e s t e e e 2000 Volts
DC Plate Current, during pulse i i i t i t t t i t t e	1.6 A	DC Plate Current, during pulse i i i i t t t i t t e 1.6 Amperes
DC Grid Voltage i i i t t t i i t i t b s i s e o t e i t a a o a s a e t a a n n	-75 V	DC Grid Voltage i i i t t t i i t i t b s i s e o t e i t a a o a s a e t a a n n -75 Volts
DC Grid Voltage, during pulse i t i t i t i t i i i t i t e e	0 V	DC Grid Voltage, during pulse i t i t i t i t i i t i t e e 0 Volts

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Grid Current, during pulse it i it e e e	5 A	DC Grid Current, during pulse it i it e e e .5 Amperes
Power Output, during pulse (useful) ittt nnan	750 W	Power Output, during pulse (useful) ittt nnan 750 Watts
Drive Power, during pulse. et e e e e e	95 W	Drive Power, during pulse. et e e e e e 95 Watts
Pulse Width O it it i e et et e e st s a e e e	8 us	Pulse Width O it it i e et et e e st s a e e e 8 Microseconds
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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Temperature § e e e e e e	250 C	Anode Temperature § it it i e e e e e 250 C
Ceramic Temperature at Any Point. ittt e e	200 C	Ceramic Temperature at Any Point. it ittt e e 200 C