

Y1692

Voltage - Triode (single) electronic tube

Ceramic-metal planar triode for continuous-wave amplifier or oscillator service to approximately 2.6 GHz at reduced plate voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.066 S
AMPLIFICATION FACTOR	80
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	250 mA

The Y-1692 is a triode of ceramic-and-metal planar construction intended for use as a CW amplifier or oscillator at frequencies up to 2600 megacycles. The Y-1692 is specifically designed for lower voltage-higher current applications.

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
frequencies up to	2600 MHz	—
Plate Voltage P	600 V	ABSOLUTE-MAXIMUM RATINGS
Plate Dissipation coiiiiiiiiiiiiiiiiit iiieinennesanenasons e 0 P	50 W	ABSOLUTE-MAXIMUM RATINGS
Average Cathode Current oiviiiiiiin e et iae i ceean F N	250 mA	ABSOLUTE-MAXIMUM RATINGS
Average Grid Current e et tareeae ettt e P	50 mA	ABSOLUTE-MAXIMUM RATINGS

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage ACor DCe 6 0 6 3	6.6 V	AVERAGE CHARACTERISTICS ~_Test Conditions
DC PIate VOIAOE oo ettt tee et ennennnsseeeesaeetsetsasunnsssaeseoneennssssseesaoseessesesaannasans	400 V	AVERAGE CHARACTERISTICS ~_Test Conditions
T2 IR -1 A	7.2 V	AVERAGE CHARACTERISTICS ~_Test Conditions
PIatE CUITENE ittt ettt eaeaeiesseesosaasessasoesssseeennsssenanssssseesoesosessnsssonnnans	200 mA	AVERAGE CHARACTERISTICS ~_Test Conditions
POWET MPUL ot e it ettt et e et e e ettt et et et s e i e e	3 W	AVERAGE CHARACTERISTICS ~_Test Conditions
POWET OULDUL -+ v e e e e tnte s ee tet et e s e tet e tnaaeaeatnsasteteanasaaenseentseansnreeasnsatiessannnn	42 W	AVERAGE CHARACTERISTICS ~_Test Conditions