



ELECTRONIC TUBE REFERENCE

6942

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA1 SECTION
CONSTRUCTION
TETRODE

Metal-ceramic UHF transmitting tetrode for grounded-grid power-amplifier and oscillator service to about 900 MHz. Forced-air cooling and an integral radiator support substantial RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5.7 V / 2.3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM SCREEN VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	1500 W
MAXIMUM CATHODE CURRENT	3 A

Metal-and-ceramic UHF transmitting tetrode for grounded-grid power-amplifier and oscillator service to 900 MHz, with forced-air cooling and an integral anode radiator.

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 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode-to-plate capacitance	0.04 pF	—
Input capacitance	17 pF	—
Output capacitance	5.5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Class B television power output	1000 W	ClassB