

Conduction-cooled UHF disc-seal power triode, commercially equivalent to CV397. Its low-inductance construction, 20 W plate dissipation, and high transconductance suit compact UHF amplifier and oscillator circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.012 S
AMPLIFICATION FACTOR	28
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	20 W
MAXIMUM CATHODE CURRENT	120 mA
Promoted fields mapped semantically from printed ratings/characteristics headings.	

Conduction-cooled UHF disc-seal triode; commercial equivalent of CV397.

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	6.3 V	Heater voltage 6.3 V
Heater current (approx)	1 A	Heater current (approx) 1.0 A
DC anode voltage	400 V	DC anode voltage 400 V
DC anode current	120 mA	DC anode current 120 mA
Peak anode current	600 mA	Peak anode current 600 mA
Anode dissipation	20 W	Anode dissipation 20 W
Negative dc grid voltage	50 V	Negative dc grid voltage 50 V
Anode seal temperature	140 degC	Anode seal temperature 140 °c
Frequency	500 MHz	Frequency . 500 MHz
DC anode voltage	300 V	DC anode voltage 300 V
DC anode current	100 mA	DC anode current 100 mA
DC grid current	40 mA	DC grid current 40 mA
Negative dc grid voltage	15 V	Negative dc grid voltage 15 V
Load power	14 W	Load power 14 W
At frequencies below	500 MHz	At frequencies below 500 MHz satisfactory performance may be obtained
.	3 V	·3V
b'	3 V	b'3V
o·	3 V	o·3V

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode to grid	2.2 pF	Anode to grid . 2.2 pF
Anode to cathode	0.04 pF	Anode to cathode 0.04 pF

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to cathode	4.8 pF	Grid to cathode . 4.8 pF

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC anode voltage	400 V	DC anode voltage 400 V
DC anode current	50 mA	DC anode current 50 mA

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker