

## MECHANICAL DATA

Bulb . . . . .	ST-12
Base . . . . .	B6-3, Small Shell Octal, 6-Pin
Outline . . . . .	12-7
Basing . . . . .	4V
Cathode . . . . .	Cold
Mounting Position . . . . .	Any

## ELECTRICAL DATA

### RATINGS (Absolute Values)

Peak Cathode Current . . . . .	100 Ma Max.
DC Cathode Current . . . . .	25 Ma Max.

### CHARACTERISTICS

Peak Anode Breakdown Voltage, (Starter Anode Tied to Cathode) Minimum . . . . .	225 Volts
Peak Positive Starter Anode Breakdown Voltage Minimum . . . . .	70 Volts
Maximum . . . . .	90 Volts
Starter Anode Current (For Transition of Discharge to Anode at 140 Volts Peak) Maximum . . . . .	100 $\mu$ a
Starter Anode Voltage Drop, approx. . . . .	60 Volts
Anode Voltage Drop, approx. . . . .	70 Volts

### TYPICAL OPERATION<sup>1</sup>

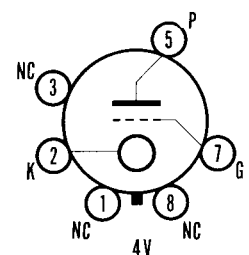
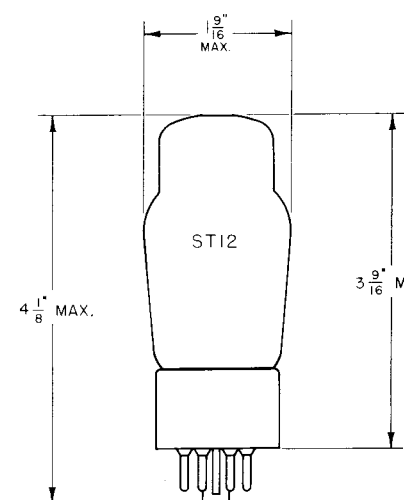
Relay Service — With AC Supply	
Anode Supply Voltage, RMS . . . . .	105-130 Volts
Peak AC Starter Anode Voltage . . . . .	70 Volts
Peak RF Starter Anode Voltage . . . . .	55 Volts

### NOTE:

1. To assure stable operation, the OA4G should be shielded from external light sources.

## QUICK REFERENCE DATA

The Sylvania Type OA4G is a cold cathode, gas-filled triode designed for use in the remote control of various line operated devices. The OA4G may also be used in relaxation oscillator circuits and as a voltage regulator.



**SYLVANIA ELECTRIC  
PRODUCTS INC.**

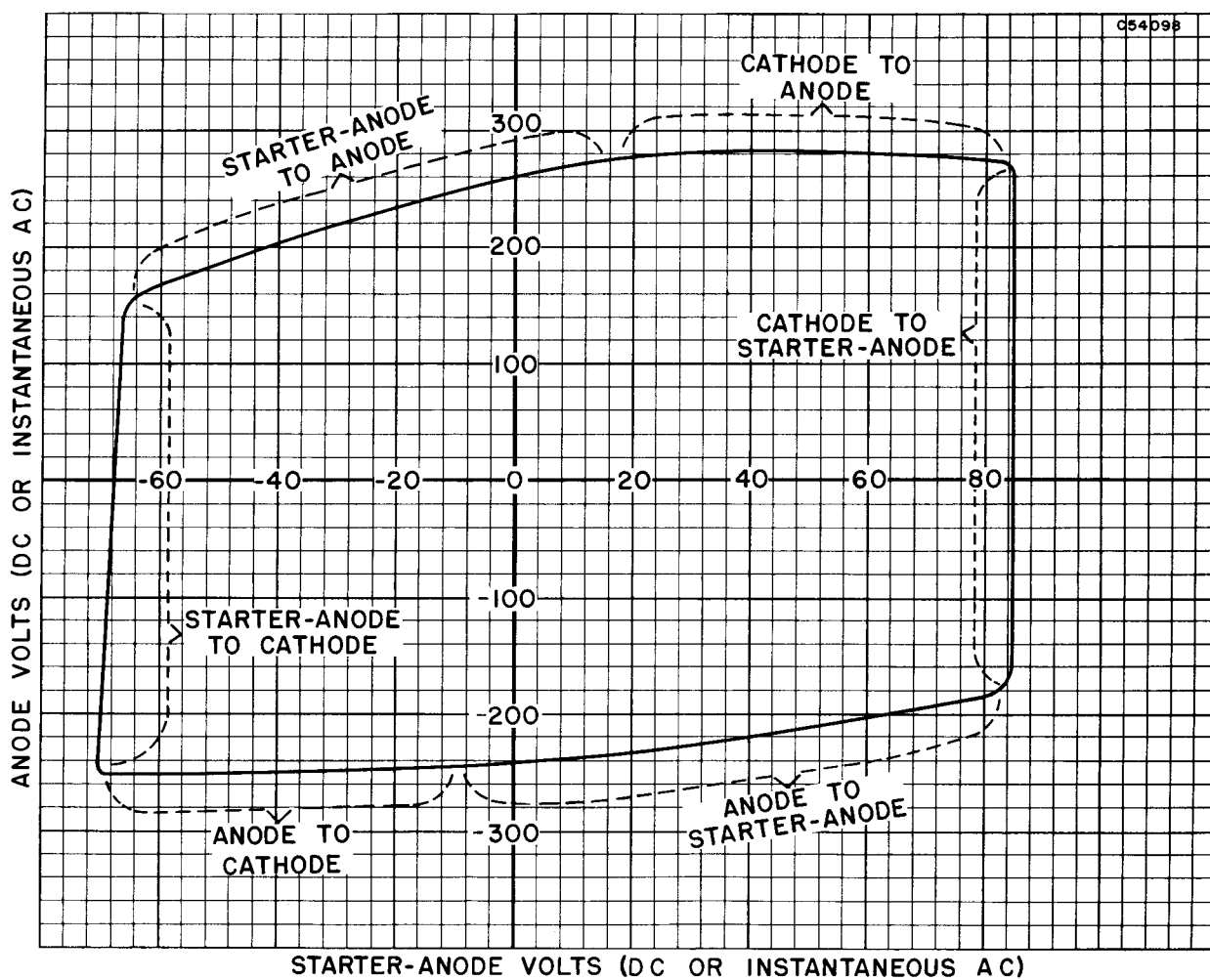
**RADIO TUBE DIVISION  
EMPORIUM, PA.**

*Prepared and Released By The  
TECHNICAL PUBLICATIONS SECTION  
EMPORIUM, PENNSYLVANIA*

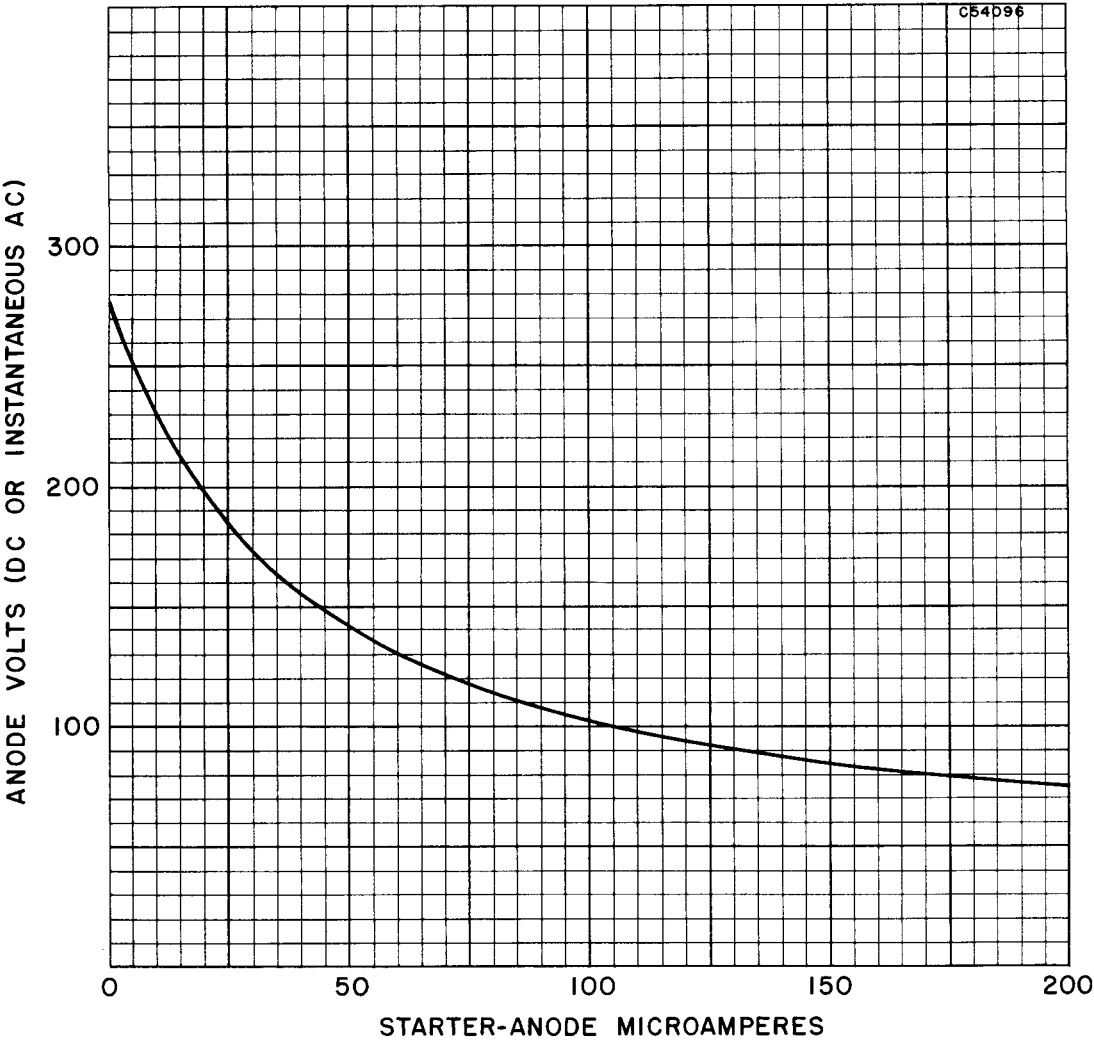
NOVEMBER 1954

PAGE 1 OF 4

## TYPICAL BREAKDOWN CHARACTERISTICS



AVERAGE TRANSITION CHARACTERISTICS



AVERAGE ANODE-DROP CHARACTERISTICS

