

THYRATRON

GAS-TETRODE

Heater* Coated Unipotential Cathode Voltage 6.3 a-c or d-c	1
Qui i Ciric	amp.
Direct Interelectrode Capacitances:	
	ih ţ
interest in the second of the	μf
)	μf
Tube Voltage Drop (Approx.) 8	volts
Control Ratio at Breakdown (Approx.):	1
Control Grid to Anode (Shield-Grid Volts = 0) 250	- 1
Shield Grid to Anode (Control-Grid Volts = 0) 800	- 1
Maximum Overall Length 4-	-1/8"
	7 16"
	9/16"
	ST-12
Base Small Shell Octal 8	3-Pin
Pin 1 - No Connection (a) S Pin 6 - Shield	
Pin 7 Hostor	
Pin 3 - Anode Pin 8 - Cathode	
Pin 4 - No Connection 2 A 2	
Pin 5 - Control Grid (10)	,e
	Anu
Mounting Position BOTTOM VIEW	Any

Maximum Ratings Are Absolute Values

MAXIMUM RATINGS and TYPICAL OPERATING CONDITIONS

			-
Peak Forward Anode Voltage	650	max.	volts
Peak Inverse Anode Voltage	1300	max.	volts
Shield-Grid (Grid No. 2) Voltage	-100	max.	volts
Control-Grid (Grid No. 1) Voltage	-100	max.	volts
Peak Heater-Cathode Potential:			
Heater negative with respect to cathode	100	max.	volts
Heater positive with respect to cathode	25	max.	volts
Peak Cathode Current	1.0	max.	amp.
Average Cathode Current**	0.1	max.	amp.
Control-Grid Circuit Resistance	10	max.	megohms
Ambient Temperature Range -55 to	+90		oC_
Typical Operation in Relay Service:			
Anode Voltage (RMS)*	400		volts
Shield-Grid Voltage	0.		volts
Control-Grid Bias Voltage (RMS)	5		volts
Control-Grid Signal Voltage (Peak)	5		volts
Control-Grid Circuit Resistance	1		megohm
Anode Ci rcuit Resist an ce ⁿ	2000		ohms
i			

Heater voltage must not deviate more than 10% from the rated value, and must be applied at least 10 seconds before the application of anode voltage.

With no external shield.

**For an averaging period of 30 seconds.

Mapproximately 1800 out of phase with the anode voltage.

Sufficient resistance, including the tube load, must be used under any conditions of operation to prevent exceeding the current ratings.

APRIL 1, 1944

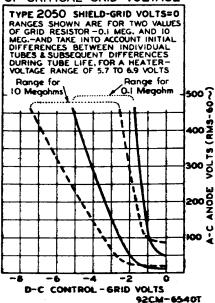




LOW - VOLTAGE OPERATION

In certain applications where the applied peak forward anode voltage is to be held to a relatively low value in comparison with the maximum peak forward anode voltage rating, it is permissible to operate the 2050 with an average cathode current as high as 200 milliamperes. Before proceeding to use the 2050 in such low-voltage, high-current operation, equipment designers should consult our engineers for specific information applicable to the design problem involved.

OPERATIONAL RANGE OF CRITICAL GRID VOLTAGE



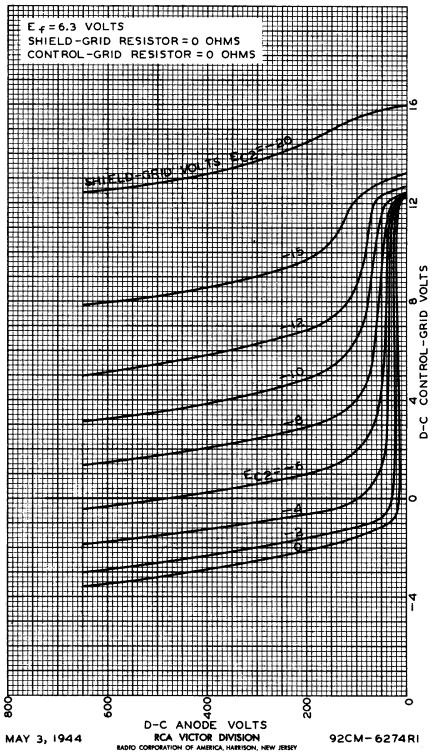
APRIL 1, 1944

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, MARRISON, MEW JERSEY

92CM-6540T



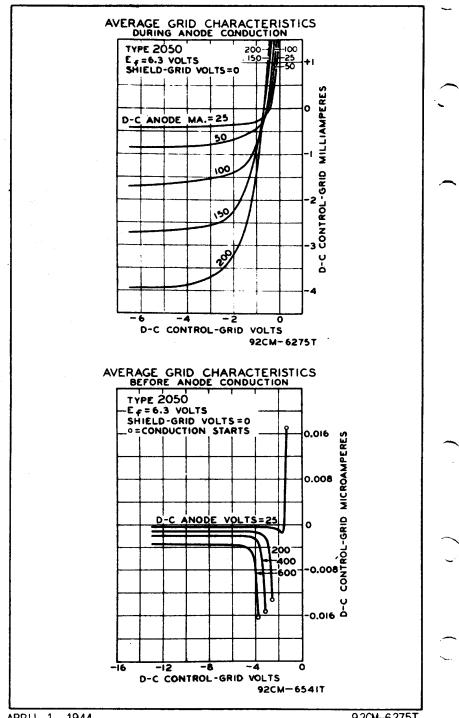
AVERAGE CONTROL CHARACTERISTICS







THYRATRON



APRIL 1, 1944

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6275T 92CM-6541T