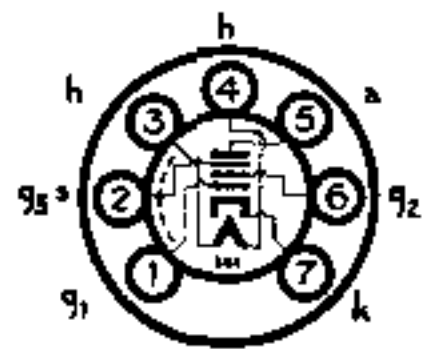


TYPE 5749
TRUSTWORTHY
HIGH SLOPE VARI-MU
R.F. PENTODE



The BRIMAR 5749 is a trustworthy vari-Mu R.F. pentode for use in R.F. and I.F. amplifier applications.

RATINGS

Heater Voltage	...	...	...	...	...	6.3	volts
Heater Current	...	...	...	...	...	0.3	amp.
Anode Voltage	...	...	...	...	...	300	volts max.
Anode Dissipation	...	...	...	...	...	3.0	watts max.
Screen (g_2) Supply Voltage	...	...	...	...	...	300	volts max.
Screen Voltage	...	...	...	...	...	125	volts max.
Screen Dissipation	...	...	...	...	...	0.6	watts max.

OPERATING CHARACTERISTICS

$V_h = 6.3$, $V_a = 250$, $V_{g_1} = 0$, $V_{g_2} = 100$, $V_{g_3} = 0$, $R_k = 60$ ohms, $C_k = 1,000 \mu F$

	Min.	Bogey	Max.	
Anode Current	8.5	11	13.5	mA
Screen Current	2.8	4.2	5.6	mA
Anode Impedance	—	1.0	—	M Ω
Mutual Conductance	3.6	4.4	5.2	mA/V
Input Impedance (45 Mc/s)	...	4,500	...	ohms
Input Impedance (90 Mc/s)	...	900	...	ohms
Control Grid Voltage	...	-21	...	volts

(for Mutual Conductance of 0.005 mA/V)

INTER-ELECTRODE CAPACITANCES*

Input	...	...	...	...	5.5	pF
Output	...	...	...	...	5.0	pF
Grid to Anode	...	...	...	...	0.0035	pF

* With no external shield.

Type 5749 is a commercial equivalent to the CV4009.