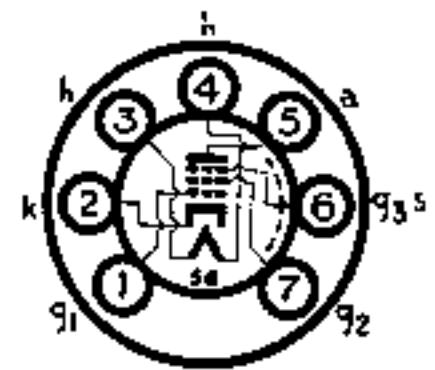


TYPE 7498
LONG LIFE
HIGH SLOPE PENTODE



The BRIMAR 7498 is a miniature high slope pentode suitable for use in industrial and instrumentation applications. It may be used as an R.F., I.F. or video amplifier or as a limiter.

The heater-cathode structure is designed for dependable service under conditions of intermittent operation and will maintain its emission capabilities after long periods of operation under "cut-off" conditions.

RATINGS

Heater Voltage	...	...	...	...	...	6.3	volts
Heater Current	...	...	...	...	...	0.3	amp.
Maximum Anode Voltage	...	...	...	...	...	275	volts
Maximum Anode Dissipation	...	...	...	...	...	2.75	watts
Maximum Screen Voltage	...	...	...	...	...	275	volts
Maximum Screen Dissipation	...	...	...	...	...	0.8	watts
Maximum Cathode Current	...	...	...	...	...	30	mA
Maximum Grid 1 Resistance (fixed bias)	...	...	...	...	...	0.1	MΩ
Maximum Bulb Temperature	...	...	...	...	...	200	°C

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	...	250	volts
Screen Voltage	...	...	...	...	...	250	volts
Cathode Bias Resistor (by-passed by 1,000 μF)	...	...	...	...	...	160	ohms
				Min.	Bogey	Max.	
Anode Current	...	...	...	7.5	9.85	12.2	mA
Screen Current	...	...	...	1.8	2.6	3.4	mA
Mutual Conductance	...	...	...	6.0	7.6	9.25	mA/V
$\mu g_1 - g_2$	...	...	...	60	75	89	
Anode Current ($V_{g_1} = -8$ V)	...	...	...	—	—	100	μA

DIRECT INTER-ELECTRODE CAPACITANCES*

Grid 1 to Anode (max.)	...	...	...	0.01	pF
Input	...	...	...	7.6	pF
Output	...	...	...	3.25	pF

* Measured with external shield.