



TYPE 6486A (Tentative Data)
 Reliable Hard Glass Miniature Dual Control Pentode

MECHANICAL DATA

Coated unipotential cathode
 Outline drawing 6-2 Bulb. T-6 1/2
 Base. E9-1 miniature button, 9-Pin
 Maximum bulb temperature 300°C
 Maximum diameter. 7/8
 Maximum seated height 1-15/16
 Maximum overall length 2-3/16

Pin connections

Pin 1	Grid #1	9DV	Pin 6	Heater
Pin 2	Cathode		Pin 7	Grid #2
Pin 3	No connection		Pin 8	Cathode
Pin 4	Heater		Pin 9	Grid #3
Pin 5	Plate			

Mounting position any
 Life expectancy 10,000 hrs

ELECTRICAL DATA

<u>Direct Interelectrode Capacitances</u>	<u>With shield</u>	<u>Without shield</u>	
Grid to plate (g1 to p) max	0.04	0.035	μμf
Input max	4.4	4.5	μμf
Output.	3.7	3.3	μμf
Grid #1 to grid #3 max	0.16	0.16	μμf
Grid #3 to (h+k+g1+g2+p+i. s.)	3.5	3.6	μμf

Ratings

Heater voltage (ac or dc)	6.3	volts
Maximum heater-cathode voltage	300	volts
Maximum plate voltage	200	volts
Maximum grid #2 voltage	155	volts
Maximum positive grid #3 voltage	30	volts
Maximum plate dissipation.	2.0	watts
Maximum grid #2 dissipation	0.85	watts

Typical operating conditions and characteristics

Heater Voltage (ac or dc)	6.3	6.3	volts
Heater Current, If	0.25	0.25	amp
Plate Voltage, Ib	120	120	volts
Grid #2 Voltage, Ec2	120	120	volts
Grid #1 Voltage, Ec1	-2	-2	volts
Grid #3 Voltage, Ec3	-3	0	volts
Plate Current, Ib	4.2	3.5	mA
Grid #2 Current, Ic2	5.1	3.3	mA
Mutual conductance, Grid #1-plate	2100	3250	μmhos
Mutual conductance, Grid #3-plate	710	450	μmhos
Grid #1 Voltage for Ib=10μA(approx.)	---	-7	volts
Grid #3 Voltage for Ib=10μA(approx.)	-15	0	volts