Bendix Aviation Corp.
Red Bank Division
Electron Tube Plant
Eatontown, New Jersey

HY-G-300

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

9DV

Pin 1	Grid #1	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

Direct Interelectrode Capacitances	With shield	Without shield	
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

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