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

TYPE 6582A (Tentative Data)

Miniature Hard Glass Pentode, RF, Sharp Cut-off

MECHANICAL DATA

Coated unipotential cathode

Outline drawing . . . . . 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

9EJ

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

Mounting position	any
Life expectancy	10,000 hrs

ELECTRICAL DATA

Direct interelectrode capacitances	With #315 Shield	
Grid #1 to plate (max)	0.03	µµf
Input (g1 to all)	4.5	µµf
Output (p to all)	3.0	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 plate dissipation	2.0	watts
Maximum grid #2 dissipation	0.85	watts
Maximum positive d-c grid #1 voltage	0	volts
Maximum cathode current	20	mAdc

Typical operating conditions and characteristics, class A1 amplifier		
Heater voltage (ac or dc)	6.3	volts
Heater current	250	mA
Plate voltage	120	volts
Grid #2 voltage	120	volts
Cathode resistor	180	ohms
Plate resistance (approx)	0.5	meg
Transconductance	4500	µmhos
Plate current	7.5	mA
Grid #2 current	2.5	mA
Grid #1 voltage (approx) for Ib=10 µA	-8.5	volts

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