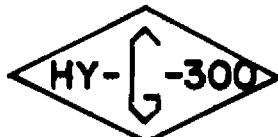


Bendix Aviation Corp.
Red Bank Division
Electron Tube Plant
Eatontown, New Jersey



Bendix TE-44
Page 1 of 1
February 19, 1957

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

Pin 1 Grid #1

Pin 6 Heater

Pin 2 Cathode and grid #3 9EJ

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

0.03

μμf

Grid #1 to plate (max)

4.5

μμf

Input (g1 to all)

3.0

μμf

Output (p to all)

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