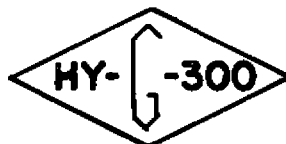


Bendix Aviation Corp.
Red Bank Division
Electron Tube Plant
Eatontown, New Jersey



Bendix TE-47
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February 18, 1957

TYPE 6854 (Tentative Data)
Reliable Hard Glass Double Triode

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 Heater
 Pin 2 #2 triode cathode 9FV
 Pin 3 #2 triode grid
 Pin 4 #2 triode plate
 Pin 5 Shield, internal
 Pin 6 #1 triode plate
 Pin 7 #1 triode grid
 Pin 8 #1 triode cathode
 Pin 9 Heater
Mounting position any
Life expectancy 10,000 hrs

ELECTRICAL DATA

	Without Shield	
<u>Direct interelectrode capacitances(each section)</u>		
Grid to plate: (g to p)	1.7	μμf
Input: g to (h+k+i. s.)	2.4	μμf
Output: p to (h+k+i. s.)	1.1	μμf
Plate to plate.	0.10	μμf
<u>Ratings (each section)</u>		
Heater voltage (ac or dc).	6.3	volts
Maximum plate voltage	300	volts
Maximum positive d-c grid voltage	0	volts
Maximum plate dissipation	1.5	watts
Maximum cathode current	20	mA
Maximum heater-cathode voltage	300	volts
Maximum grid circuit resistance	1.0	meg
<u>Typical operating conditions and characteristics, class A1 amplifier</u> (per section except where noted)		
Heater voltage (ac or dc).	6.3	volts
Heater current (both sections).	500	mA
Plate voltage	150	volts
Cathode bias resistor.	240	ohms
Plate current	8.2	mA
Plate resistance (approximate)	6500	ohms
Transconductance	5225	μmhos
Amplification factor	35	
Grid #1 voltage for Ib=10μA	-8	volts