

Type EP	Test Voltage * (E _{SG} except in case of 6J5) (Volts)	Cut-off Voltages **		Minimum I _p *** (Milliamperes)	Minimum I _{SG} *** (Milliamperes)	Maximum Allowable Voltage		Maximum allowable steady duty plate current (milliamperes) (These ratings may be exceeded by 25% when the tube is new)
		Grid 1 (volts)	Grid 3 (volts)			Plate (volts)	Screen (volts)	
6Y6	40	-9.5	-	15	0.485	75	75	25
6L6	75	-11	-	28	1.0	250	225	20
6V6	75	-10	-	19.5	0.9	180	180	15
807	NOTE 2	-100	-	50	3	600	250	20
6L7	75	-12	-8	5	6	150	75	2.5
6SN7	75	-7	-14	5	7.5	150	75	2.5
6SA7	75	-5.5	-50	5	1.25	150	90	2.5
6AC7	21	-1	-	0.3	0.05	150	100	4.0
6X5 (6SW)	-	-4.5	-	5.0	-	150	-	2.5

* Linear interpolation is to be used only in the range between 66% and 150% of the stated plate voltage (E_p) or screen grid voltage (E_{SG}). If a tube is to be used outside of this range, tests should be made.

** Bias in volts applied to the first (second) control grid, the second (first) control grid being connected to the cathode. If the applied bias does not reduce the plate current to less than 1/7 of the minimum plate current stated in the fifth column, the tube is rejected, except the case of 807, I_p at grid 1 cut-off should be less than 20 μA.

*** The minimum value of plate current (I_p) or screen grid current (ISG) for an acceptable tube under the condition of both control grids being connected to the cathode.

Note 1- E_p-190 v. for emission test. E_p=640v for cut-off test.

Note 2- 190v through 20K resistor. To test screen grid cut-off E_{SG}=50. I_p < 3.5 μA

Notes 1 & 2 are
9-24-45
I. CAMPBELL
807 I_p WAS 0.8
I_{SG} WAS 70
6Y6 I_p WAS 24
I_{SG} WAS 0.8
R. W. MURPHY 3-17-48

TEST STANDARDS FOR ENIAC TUBES

PK-103

C. SHERMAN
SEPT 10, 1945
4-10-45