

NOTES

- (1) Tubes are held rigid in three different positions in a Navy Type, High Impact Shock Machine and subjected to 450 g impact acceleration. Hammer angle=30°.
- (2) Tubes are rigidly mounted and subjected in each of three positions to 2.5 g vibrational acceleration at 25 cycles per second for 32 hours.
- (3) Life test is made with a heater voltage of 6.3 volts, plate supply voltage of 110 volts, grid-No. 2 supply voltage of 110 volts, dc heater-cathode voltage (heater positive with respect to cathode) of 200 volts, cathode resistor of 270 ohms and a grid-No. 1 resistor of 0.47 megohm. Life test end points: Δ power output/t, 25% maximum; heater-cathode leakage current, 90 microamperes maximum; grid-No. 1 current, -3.0 microamperes maximum.
- (4) Under the following conditions: heater voltage of 7.5 volts cycled 1 minute on and 4 minutes off; heater-cathode voltage of 140 volts (rms); plate and grid voltages=0.
- (5) Under the following conditions: a 110-volt plate voltage supply having an impedance not exceeding that of a 40-uf capacitor, plate load resistance of 10,000 ohms, cathode resistor of 270 ohms, cathode bypass capacitor of 1000 microfarads and vibrational acceleration of 15 g at 40 cps. Free free bar vibrator.

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