HYGRADE SYLVANIA CORPORATION

TECHNICAL DATA

SYLVANIA TYPE 1LB6

Pentagrid Mixer

TENTATIVE RATINGS AND CHARACTERISTICS

Filament Voltage (Nominal) 1.1 volts
Filament Current (Nominal) 0.05 amperes

Direct Interelectrode Capacitances:*

Grid G1 to Grid G3 0.2 uuf. Max.
Grid G1 to Plate 0.1 uuf. Max.
Grid G3 to Plate 0.2 uuf. Max.
Grid G1 to all other Electrodes 3.8 uuf.
Grid G3 to all other Electrodes 8.0 uuf.
Plate to all other Electrodes 7.0 uuf.

* With tube shield (RMA Standard MB-308) connected to negative filament.

OPERATING CONDITIONS AND CHARACTERISTICS

Mixer Operation

Filament Voltage 1.1 volts
Plate Voltage 90 volts Max.
Screen Voltage (Grids #2 and #4) 67.5 volts Max.
Signal Grid Voltage (Grid #1) 0 volts
Oscillator Grid Voltage (Grid #3) 0 volts
Suppressor (Grid #5) Connected to negative filament
Peak Oscillator Grid Voltage Applied to Grid #3
Plate Resistance 10 min. volts
Conversion Conductance E01 = 0 2 megohms approx.
Conversion Conductance E01 = -4.5 100 umhos
Plate Current 5 umhos
Screen Grid Current 0.40 ma

Base = "Loctal" 2.2 ma
Bulb = T-9
Max. Overall Length 2 25/32" 8 pin
Maxi. diameter 1 3/16"
Max. seated height 2 1/4"

RASING:

Pin #1 = Filament
Pin #2 = Plate
Pin #3 = Grid #2
Pin #4 = Grid #3
Pin #5 = Grid #5
Pin #6 = Grid #1
Pin #7 = Grid #4
Pin #8 = -Filament

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