SYLVANIA TYPE 6EB5
DUO DIODE

MECHANICAL DATA

Bulb: T-5-1/4
Base: E7-1, Miniature Button 7-Pin
Outline: 5-3
Basing: 6BT
Cathode: Coated Unipotential
Mounting Position: Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage: 6.3 Volts
Heater Current: 300 Ma
Heater-Cathode Voltage (Design Center Values)
Heater Negative with Respect to Cathode: 330 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES

Plate Input (Each Section): 2.3 μf
Plate to Plate: 0.014 μf
Cathode Input (Each Section): 2.9 μf

RATINGS (Design Center Values)

Peak Inverse Plate Voltage: 550 Volts Max.
Average Plate Supply Voltage Per Plate, RMS: 200 Volts Max.
Peak Plate Current Per Plate: 40 Ma Max.

CHARACTERISTICS

Voltage Drop at Ib = 11 Ma Per Plate: 10 Volts

TYPICAL OPERATION (Full-wave Rectifier)

A C Plate Voltage Per Plate: 200 Volts
Input Filter Capacitance: 8.0 μf
D C Output Voltage: 255 Volts
D C Output Current: 12.0 Ma

NOTE:

1. Shield No. 316 connected to Pin 6.

APPLICATION

The Sylvania Type 6EB5 is a miniature, double diode well suited for a wide variety of low current applications.

SYLVANIA ELECTRONIC TUBES
111-5-7-60