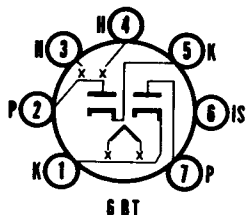




SYLVANIA TYPE 6EB5 DUO DIODE



MECHANICAL DATA

Bulb.....	T-5 1/2
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	
Total D C and Peak.....	330 Volts Max.
Heater Positive with Respect to Cathode	
Total D C and Peak.....	330 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES

Plate Input (Each Section).....	Shielded ¹
Plate to Plate.....	2.3 $\mu\mu\text{f}$
Cathode Input (Each Section).....	.014 $\mu\mu\text{f}$
	2.9 $\mu\mu\text{f}$

RATINGS (Design Center Values)

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

CHARACTERISTICS

Voltage Drop at $I_b = 11$ Ma Per Plate.....	10 Volts
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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.