

SYLVANIA ELECTRIC

RTMA Registration Data

TYPE 5845

TEMPERATURE-LIMITED DOUBLE DIODE

The Type 5845 is double diode with a tungsten filament which is operated under the condition of temperature-limited emission. The plate current is dependent on filament voltage.

MECHANICAL DATA

Style miniature
Cathode tungsten filament
Bulb T-5 1/2
Base E7-1, Miniature Button 7-Pin
Outline..... 5-2
Maximum Diameter 3/4 inch
Maximum Overall Length 2 1/8 inches
Maximum Seated Height 1 7/8 inches
Mounting Position:
 Vertical base up or down
 Horizontal pins 3 and 4 in vertical plane
Basing 5CA
Pin Connections:
 Pin 1 .. plate #2
 Pin 2 .. no connection
 Pin 3 .. filament
 Pin 4 .. filament
 Pin 5 .. plate #1
 Pin 6 .. no connection
 Pin 7 .. filament center tap

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCE

Diode Input (each section)..... 0.8 μ f

RATINGS -- Design Center System

Maximum Filament Voltage (series) 5.0 volts
Maximum Plate Voltage (dc) 300 volts
Maximum Plate Current (dc) (each plate) 2.0 milliamps
Maximum On Period, with 50% Duty Cycle 5.0 minutes

TYPICAL OPERATION -- Plates Connected Together

Filament Voltage (series) 4.3 volts
Filament Current (series) 435 milliamps
Plate Voltage (dc) 300 volts
Plate Load Resistor 0.6 megohm
Plate Current (dc) (both plates) 0.5 milliamp

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