



2EN5

2EN5 TWIN DIODE

7-PIN MINIATURE TYPE

*Intended for use in equipment having
series heater-string arrangement*

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC)	2.1	volts
Current	0.45 $\pm$ 6%	amp
Warm-up time (Average)	11	sec

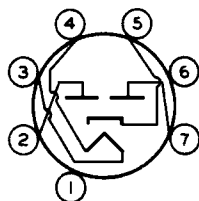
Direct Interelectrode Capacitances:

	Without External Shield	With External Shield ⁰	
Plate to cathode, internal shield, and heater (Each unit)	3.7	3.8	$\mu\mu\text{f}$
Plate to plate.	1.3 max.	3.8 max.	$\mu\mu\text{f}$

Mechanical:

Operating Position.	Any
Maximum Overall Length.	2-1/8"
Maximum Seated Length	1-7/8"
Length, Base Seat to Bulb Top (Excluding tip)	1-1/2" $\pm$ 3/32"
Diameter.	0.650" to 0.750"
Dimensional Outline	See General Section
Bulb.	T5-1/2
Base.	Small-Button Miniature 7-Pin (JEDEC No. E7-1)
Basing Designation for BOTTOM VIEW.	7FL

- Pin 1 - No Con-
tion
Pin 2 - Diode-No.2
Plate
Pin 3 - Heater
Pin 4 - Heater



- Pin 5 - Cathode
Pin 6 - Internal
Shield
Pin 7 - Diode-No.1
Plate

HALF-WAVE RECTIFIER

Maximum Ratings, Design-Maximum Values:

DC OUTPUT CURRENT PER PLATE	5 max.	ma
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	200 max.	volts
Heater positive with respect to cathode	200 Δ max.	volts

Characteristics:

Values are for Each Unit

Tube-Voltage Drop for plate ma. = 20.	5	volts
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⁰ With external shield JEDEC No. 316 connected to cathode.

Δ The dc component must not exceed 100 volts.