



2EN5

TWIN DIODE

7-PIN MINIATURE TYPE

Intended for use in equipment having
series heater-string arrangement

2EN5

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

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

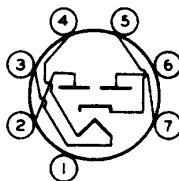
Direct Interelectrode Capacitances:

	Without External Shield	With External Shield ⁰	
Plate to cathode, internal shield, and heater (Each unit)	3.7	3.8	μf
Plate to plate.	1.3 max.	3.8 max.	μf

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" ± 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 Connec-
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 [▲] max.	volts

Characteristics:

Values are for Each Unit

Tube-Voltage Drop for plate ma. = 20.	5	volts
--	---	-------

⁰ With external shield JEDEC No.316 connected to cathode.

[▲] The dc component must not exceed 100 volts.