



2X2-A

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HALF-WAVE VACUUM RECTIFIER

For applications critical as to severe shock and vibration

GENERAL DATA

Electrical:

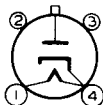
Heater, for Unipotential Cathode:

	Min.	Av.	Max.	
Voltage.	2.25	2.50	2.75	ac volts
Current at 2.50 volts. . .	1.55	1.75	1.95	amp

Mechanical:

Mounting Position.				Any
Maximum Overall Length				4-17/32" ←
Seated Length.				3-25/32" ± 1/8"
Maximum Diameter				1-9/16"
Dimensional Outline.				See General Section
Weight (Approx.)				1.3 oz ←
EulbST-12
Cap.				Small (JETEC No. C1-1) ←
Base	Small-Shell	Small	4-Pin	(JETEC No. A4-5) ←
Basing Designation for BOTTOM VIEW				4AB

- Pin 1 - Heater
- Pin 2 - No Connection
- Pin 3 - No Connection



- Pin 4 - Heater, Cathode
- Cap - Plate

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Maximum Ratings, Design-Center Values:

PEAK INVERSE PLATE VOLTAGE	12500 max.	volts
PEAK PLATE CURRENT	60 max.	ma
DC OUTPUT CURRENT.	7.5 max.	ma
HOT-SWITCHING TRANSIENT CURRENT, for duration of 0.2 second max.	100 max.	ma
AMBIENT TEMPERATURE.	70 max.	°C ←

Typical Operation:

AC Plate-Supply Voltage (RMS).	5500	volts
Total Effective Plate-Supply Impedance	0.3	megohm
Filter Input Capacitor	0.1	µf
DC Output Current.	2	ma
DC Output Voltage (At input to filter)	4500	volts

SHOCK TEST DATA

Impact Acceleration.	250 max.	g
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This test is performed on a sample lot of tubes from each production run to determine ability of tube to withstand the specified impact acceleration. The tubes are subjected to a total of 3 blows in each of the 3 primary mutually

← indicates a change.

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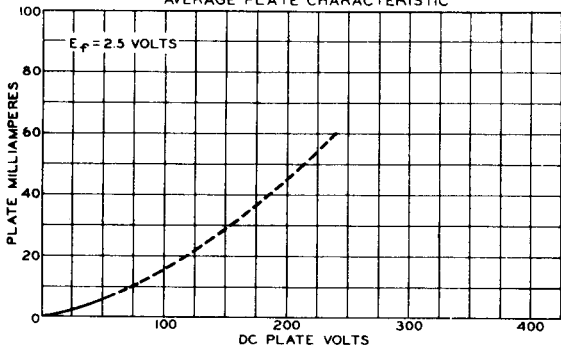


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perpendicular tube planes when tested in the Navy Type, High-Impact (flyweight) Shock Machine. At the end of this test, tubes will not show permanent or temporary shorts or open circuits, and will not be inoperative.

AVERAGE PLATE CHARACTERISTIC



92CM-4507T3