



ELECTRONIC TUBE REFERENCE

2T450E

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated high-vacuum half-wave rectifier with thoriated-tungsten filament for very-high-voltage supplies. Rated for approximately 30 kV peak inverse voltage, 100 mA DC output, and 400 mA peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B4A	BASE PINS	4
NOMINAL HEATER	5 V / 10 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	30000 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	400 mA
Extracted semantically from complete approved datasheet.	

Half-wave high-vacuum rectifier; thoriated-tungsten filament.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode dissipation	60 W	—
Maximum peak anode current	600 mA	PIV=15kV
Maximum average anode current	150 mA	PIV=15kV

TUBE TINKER

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and their source documents.

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