



ELECTRONIC TUBE REFERENCE

4832

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated xenon-filled high-voltage half-wave rectifier for rugged wide-temperature service. Rated for approximately 10 kV peak inverse voltage, 1.25 A DC output, and 5 A peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	5 V / 7.1 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	10000 V
NOMINAL OUTPUT CURRENT	1.25 A
PEAK FORWARD CURRENT	5 A
FORWARD VOLTAGE DROP	12 V
WARM-UP TIME	30 s
<i>Inert-gas-filled half-wave rectifier; frequency and cathode-current limits retained as parameters.</i>	

The 4832 is a xenon-filled high-voltage half-wave rectifier designed for rugged operation and high peak-inverse-voltage service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Inert gas	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum operating frequency	150 Hz	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 3 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	10000 V	HalfWaveRectifier
Maximum peak cathode current	5 A	HalfWaveRectifier
Maximum average cathode current	125 mA	HalfWaveRectifier
Maximum surge cathode current	50 A	HalfWaveRectifier
Rectifier maximum peak inverse voltage	10000 V	PromotedValue

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectifier nominal output current	125 mA	PromotedValue
Rectifier peak forward current	5 A	PromotedValue
Maximum Peak Inverse Voltage	0 V	PublishedTable
10		

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average anode voltage drop	12 V	HalfWaveRectifier
Peak anode voltage drop	16 V	HalfWaveRectifier
Critical anode voltage	50 V	HalfWaveRectifier
Rectifier forward voltage drop	12 V	PromotedValue
Rectifier warmup time	30 s	PromotedValue
Filament Current At 5,0 Volts	7.25 A	PublishedTable



SOURCE OPERATING CONDITIONS

1971 English Electric Valve

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

1971 ENGLISH ELECTRIC VALVE

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Fault anode current	50 A	0.1s max

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

