



ELECTRONIC TUBE REFERENCE

25DK4

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Miniature indirectly heated half-wave rectifier for line-operated equipment with series-connected 150 mA heaters. Its tapped 25 V heater can serve as a current-limiting resistor while providing approximately 100 mA output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E7-1	BASE PINS	7
NOMINAL HEATER	25 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	330 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	600 mA
FORWARD VOLTAGE DROP	19 V
MAXIMUM HEATER-CATHODE VOLTAGE	330 V
<i>Half-wave power rectifier. Voltage drop is published at 200 mA DC.</i>	

The 25DK4 is a miniature half-wave rectifier for line-operated equipment with series-connected 150-mA heaters and a tapped heater usable as a current-limiting resistor.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC Plate-Supply Voltage RMS	117 V	HalfWaveCapacitorInputFilter
Filter Input Capacitor	40 uF	HalfWaveCapacitorInputFilter

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical DC Output Current	90 mA	HalfWaveCapacitorInputFilter
DC Output Voltage at Filter Input	113 V	HalfWaveCapacitorInputFilter