



ELECTRONIC TUBE REFERENCE

2B3

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Filamentary high-voltage rectifier for television flyback/EHT service. It rectifies horizontal-output transformer pulses to produce the CRT accelerating supply with isolated filament heating at elevated potential.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6K	BASE PINS	6
NOMINAL HEATER	1.75 V / 250 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	27000 V
NOMINAL OUTPUT CURRENT	0.5 mA
PEAK FORWARD CURRENT	50 mA
MAXIMUM HEATER-CATHODE VOLTAGE	0.5 V
<i>Promoted values are taken from the printed ratings on the uploaded source; additional non-promoted values are retained in TUBE_SECTION_PARAMETER.</i>	

Filamentary high-voltage rectifier diode for television flyback service.

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
HeaterOrFilamentVoltageNominal	1.75 V	—
HeaterOrFilamentCurrentNominal	250 mA	—
RectifierMaximumPeakInverseVoltage	22000 V	—
RectifierNominalOutputCurrent	0.5 mA	—
RectifierMaximumHeaterCathodeVoltage	0.5 V	—