



ELECTRONIC TUBE REFERENCE

6174

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Instant-starting cold-cathode gas-filled half-wave rectifier for high-voltage, low-current photoflash, fence-controller, oscilloscope, and similar supplies, requiring no heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	2800 V
NOMINAL OUTPUT CURRENT	3 mA
PEAK FORWARD CURRENT	30 mA
FORWARD VOLTAGE DROP	100 V
<i>Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed where applicable.</i>	

Instant-starting cold-cathode gas-filled half-wave rectifier for high-voltage low-current supplies, including photoflash, fence-controller and oscilloscope applications.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	2800 V	Published rectifier rating
Average/DC output current	3 mA	Published rating
Peak forward current	30 mA	Published steady-state peak rating

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-cathode drop	100 V	Published approximate value