ELECTRONIC TUBE REFERENCE

CK6174

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Raytheon heaterless cold-cathode gas-filled half-wave rectifier for very-low-current high-voltage supplies. Its instant-starting construction eliminates filament power.

General characteristics

BASE DESIGNATION	7CB	**BASE PINS**	7
NOMINAL HEATER	– / –	**PARALLEL HEATER**	– / –
HEATING	Indirect; cold cathode	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Rectifier

PEAK INVERSE VOLTAGE	2800 V
NOMINAL OUTPUT CURRENT	3 mA
PEAK FORWARD CURRENT	30 mA
FORWARD VOLTAGE DROP	100 V

Published maximum rectifier ratings.

Raytheon cold-cathode half-wave gas rectifier with 2.8 kV peak inverse voltage rating.

SOURCE OPERATING CONDITIONS

195X Raytheon Special Purpose Tubes

SOURCE PDF

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	**2800 V**	—
Maximum peak plate current	**30 mA**	—
Maximum DC output current	**3 mA**	—
Average tube drop	**100 V**	—

TUBE TINKER

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

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