ELECTRONIC TUBE REFERENCE

7131XD2

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated high-vacuum rectifier for high-voltage industrial power supplies. Rated for approximately 40 kV peak inverse voltage and 15 A peak-current capability from a heavy filament.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	13 V / 36 A	**PARALLEL HEATER**	— / —
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Rectifier

MAXIMUM PLATE DISSIPATION	3000 W
PEAK INVERSE VOLTAGE	40000 V
PEAK FORWARD CURRENT	15 A

Published ratings and characteristics promoted where applicable; remaining useful published values retained as parameters.

7131XD2: Central Electronic Manufacturers high-vacuum rectifier with published electrical ratings and operating data. The complete approved datasheet was read semantically, including specifications, maximum ratings, operating conditions, cooling requirements and characteristic data where published.

SOURCE OPERATING CONDITIONS

195X Central Electronics

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

195X CENTRAL ELECTRONICS

Section 1 · Rectifier

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	**13 V**	—
Filament current	**36 A**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate/anode dissipation	**3000 W**	—
Maximum peak inverse voltage	**40000 V**	—
Maximum peak anode current	**15 A**	—
Required cooling air flow	**190 cfm**	—

Tube Tinker

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

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