



ELECTRONIC TUBE REFERENCE

6303

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Central Electronics high-vacuum half-wave rectifier for high-voltage industrial supplies, providing approximately 40 kV inverse-voltage capability and substantial current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	11.5 V / 15.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM PLATE DISSIPATION	550 W
PEAK INVERSE VOLTAGE	40000 V
NOMINAL OUTPUT CURRENT	700 mA
PEAK FORWARD CURRENT	2.5 A
<i>Published ratings and characteristics promoted where applicable; remaining useful published values retained as parameters.</i>	

6303: 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

[SOURCE PDF](#)

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	11.5 V	—
Filament current	15.25 A	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	40000 V	—
Maximum peak anode current	2.5 A	—
Average anode current	700 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Central Electronic Tubes

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

1960 CENTRAL ELECTRONIC TUBES

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	40000 V	—
Peak anode current	2.5 A	—
Average anode current	700 mA	—
Anode dissipation	550 W	—
Clipper filament voltage	12.2 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Clipper peak inverse voltage	33000 V	—
Clipper peak anode current	50 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	11.5 V	—
Filament current	15.25 A	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Radiation	—

TUBE TINKER

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

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