

ELECTRONIC TUBE REFERENCE

ELC5B

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

ELC5B is a directly heated xenon-filled grid-controlled rectifier thyatron for heavy industrial power control. Its tantalum-anode construction and massive filament support substantial controlled gas-discharge current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 23 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM CATHODE CURRENT	5 A
PEAK INVERSE VOLTAGE	1500 V
NOMINAL OUTPUT CURRENT	5 A
PEAK FORWARD CURRENT	75 A
FORWARD VOLTAGE DROP	9 V
Grid-controlled xenon rectifier section.	

ELC5B is a grid-control xenon rectifier tube using tantalum anode and xenon gas filling. The datasheet publishes filament, anode-current, inverse-voltage, arc-drop and operating ratings.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1942 Electronics Inc

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

1942 ELECTRONICS INC

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
D-c. Meter Value - Continuous	5 A	—
Oscillograph Peak - Continuously Recurring	75 A	—
Peak Inverse Voltage	1500 V	—
Filament Voltage	2.5 V	—
Filament Current	23 A	—
Heating Time Minimum	1 min	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average Arc Drop	9 V	—

TUBE TINKER

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

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