

ELECTRONIC TUBE REFERENCE

ELC1B

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Xenon-filled grid-controlled rectifier thyatron with tantalum anode construction for controlled power conversion and switching.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	2.5 V / 6.3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM CATHODE CURRENT	1 A
Grid-controlled xenon rectifier (thyatron).	

ELC1B xenon-filled grid-controlled rectifier (thyatron) with tantalum anode construction.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Electronics Inc

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

1958 ELECTRONICS INC

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Continuous DC anode current	1 A	—
Overload anode current	1 A	LessThan3Seconds
Continuously recurring peak anode current	8 A	—
Peak inverse voltage	700 V	—
Peak forward voltage	450 V	—
Maximum negative grid voltage	100 V	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gas filling	Xenon	—
Anode material	Tantalum	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	2 pF	—
Grid-filament capacitance	7.5 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Critical grid current maximum	5 uA	—
Deionization time maximum	1000 us	—