

ELECTRONIC TUBE REFERENCE

7023

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Heavy-current industrial thyatron for grid-controlled rectification and power control. Its massive directly heated cathode supports substantial discharge current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 18 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM CATHODE CURRENT	6.4 A
Gas/mercury-filled grid-controlled rectifier (thyatron).	

7023 industrial thyatron for grid-controlled rectifier and control service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 National Electronics

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

1957 NATIONAL ELECTRONICS

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC output current	6.4 A	—
Maximum instantaneous output current	20 A	—
Maximum peak inverse voltage	1500 V	—
Maximum peak forward voltage	1500 V	—
Maximum negative grid voltage during conduction	10 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	30 s	—
Typical arc drop	15 V	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Argon/mercury vapor	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Industrial grid-controlled rectifier	—
Service	Motor speed control	—

TUBE TINKER

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

