

ELECTRONIC TUBE REFERENCE

F941

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Mercury-vapor thyatron for high-voltage controlled rectification and industrial switching. Its massive heater supports substantial low-drop discharge current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	5 V / 20 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM CATHODE CURRENT	12.5 A
Mercury-vapor thyatron; canonical SectionType has no Thyatron value, so Other is used.	

An indirectly heated mercury-vapor thyatron with control grid, used as a high-voltage half-wave rectifier and as a switching and control tube in industrial regulating equipment.

SOURCE OPERATING CONDITIONS

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak anode voltage	15 kV	—
Maximum surge anode current	40 A	—
Maximum average anode current	12.5 A	—
Maximum positive grid voltage	600 V	—
Minimum negative grid voltage	600 V	—
Minimum warmup time	300 s	—