ELECTRONIC TUBE REFERENCE

WL41

Specialized - Thyratron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Mercury-vapor thyratron for high-voltage controlled rectification and industrial switching. Its massive heater supports substantial 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 Thyratron	
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM CATHODE CURRENT	12.5 A
Mercury-vapor thyratron; canonical SectionType has no Thyratron value, so Other is used.	

An indirectly heated mercury-vapor thyratron 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 · Thyratron

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**	—

TUBE TINKER

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