ELECTRONIC TUBE REFERENCE

8553

Specialized - Thyratron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Hydrogen thyratron for high-power pulse switching. Its heavy heater supports rapid controlled discharge at substantial pulse current.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	6.3 V / 7.8 A	**PARALLEL HEATER**	_ / _
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Thyratron

MAXIMUM PLATE VOLTAGE	16000 V
NOMINAL OUTPUT CURRENT	500 mA
PEAK FORWARD CURRENT	500 A
WARM-UP TIME	180 s

Applicable promoted fields mapped semantically from the printed ratings; device-specific electrical limits and operating conditions are preserved densely in TUBE_SECTION_PARAMETER.

Ceramic hydrogen thyratron and plug-in replacement for 5C22; shared 8553/KU72Z designation.

SOURCE OPERATING CONDITIONS

1962 ITT

SOURCE PDF

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

1962 ITT

Section 1 · Thyratron

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater Voltage	**5.8–6.8 V**	—
Heater Current	**6 A–10 A**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Minimum Heating Time	**3 min**	—
Peak Forward Anode Voltage	**16000 V**	—
Peak Anode Current	**500 A**	—
Average Anode Current	**500 mA**	—

TUBE TINKER

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

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