

ELECTRONIC TUBE REFERENCE

7454

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYATRON

Zero-bias hydrogen clipper thyatron with very short ionization time for high-fault-current inverse clipping in line-type radar modulators.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 13 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	Thyatron
MAXIMUM CATHODE CURRENT	1200 A

Zero-bias short-ionization-time hydrogen clipper thyatron for high-fault-current inverse clipping in line-type radar modulators.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gas	Hydrogen	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DCInverseAnodeVoltageMaximum	25000 V	—
RMSCathodeCurrentMaximum	6.3 A	AveragingTime=3s
PeakContinuousCathodeCurrentMaximum	25 A	—
PeakFaultCathodeCurrentMaximum	1200 A	—
OperatingFrequencyMaximumTested	2500 Hz	—
TriggerCurrentPeak	12 A	—
SwitchTubePowerLevel	12.5 MW	LineTypeRadarModulator

TUBE TINKER

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and their source documents.

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