

ELECTRONIC TUBE REFERENCE

7455

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Zero-bias hydrogen clipper thyatron with short ionization time for high-current pulse-clipping service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 15 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	33000 V
MAXIMUM CATHODE CURRENT	2900 A

Zero-bias, short-ionization-time hydrogen clipper thyatron for high-current pulse clipping service.



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	33000 V	—
RMSCathodeCurrentContinuousMaximum	8.5 A	—
RMSCathodeCurrentFaultMaximum	16 A	AveragingTime=3s
PeakContinuousCathodeCurrentMaximum	800 A	—
PeakFaultCathodeCurrentMaximum	2900 A	—
OperatingFrequencyMaximumTested	2500 Hz	—
SwitchTubePowerLevel	33 MW	LineTypeRadarModulator



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Tung Sol Industrial Tubes

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

1965 TUNG SOL INDUSTRIAL TUBES

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	5 V	—
Heater current	20 A	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum inverse anode voltage	33000 V	—
Continuous RMS cathode current	8.5 A	—
Peak continuous cathode current	800 A	Pulse
Peak fault cathode current	2900 A	Pulse
Maximum operating frequency	2500 Hz	—

TUBE TINKER

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