



ELECTRONIC TUBE REFERENCE

6901

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

Long-life inert-gas and mercury-vapor negative-control thyatron for grid-controlled rectifier and relay service, optimized for repeated starts at extremely low temperatures.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	2.5 V / 7 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Thyatron

No fixed ratings recorded.

The 6901 is a three electrode, inert-gas and mercury-vapor filled thyatron with negative control characteristics. This tube is similar to the type 393A except that the design and test schedule have been modified to provide long life at low temperatures. In some applications, the 6901 provides many times the useful tube life of the 393A. In addition, the peak voltage and frequency limits have been raised. The 6901 finds use as a grid-controlled rectifier and a relay tube especially where many “starts” at extremely low temperatures are anticipated. The 6901 employs a 7-pin octal base.

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

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	2.5 V	Nominal
Heater current	7 A	Nominal

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode heating time minimum	15 s	-40 to +70 C
Cathode heating time minimum	30 s	-55 to -40 C

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker