

ELECTRONIC TUBE REFERENCE

GT21

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Cold-cathode glow thyatron with grid control for AC or DC switching, using low-level radioactive preionization to stabilize ignition.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	Thyatron
MAXIMUM CATHODE CURRENT	40 mA

Glow thyatron with cold molybdenum cathode, low tritium preionization and grid control; operates from AC or DC anode supplies.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Cerberus

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

1962 CERBERUS

Section 1 · Thyatron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode breakdown voltage A-K minimum	40 V	UG=-15V
Reverse breakdown voltage K-A minimum	40 V	UG=0V
Auxiliary-cathode breakdown voltage maximum	-180 V	—
Auxiliary-cathode sustaining voltage maximum	-110 V	IHK=-100uA
Sustaining voltage A-K	115 V	IA=20mA
Grid blocking voltage	-80--6 V	—
Grid release voltage	0.5-50 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode current mean	10-40 mA	—
Anode AC supply voltage	180-250 V	—
Anode DC supply voltage	250-350 V	—