

ELECTRONIC TUBE REFERENCE

KU27

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Hydrogen thyatron for fast high-power pulse switching in network-discharge, pulse-modulator, crowbar, radar, or related pulsed-power service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	16000 V
MAXIMUM CATHODE CURRENT	325 A

Ruggedized hydrogen thyatron for high-power network-discharge service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 ITT

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

1962 ITT

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	9-11 A	—
Minimum Heating Time	180 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Peak Anode Voltage Forward	16000 V	—
Maximum Peak Anode Voltage Inverse	16000 V	—
Maximum Peak Anode Current	325 A	—
Maximum Average Anode Current	225 mA	—
Maximum RMS Anode Current	6.3 A	—
Maximum Anode Current Rate of Rise	1500 A/us	—
Minimum Anode Supply Voltage	3500 V	—
Maximum Peak Inverse Trigger Voltage	200 V	—