

Former KU-275 designation for the 8301 very-high-power ceramic hydrogen pulse thyatron.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
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	50000 V
NOMINAL OUTPUT CURRENT	8 A
PEAK FORWARD CURRENT	4000 A
WARM-UP TIME	900 s
Applicable promoted fields mapped semantically from the printed ratings; device-specific electrical limits and operating conditions are preserved densely in TUBE_SECTION_PARAMETER.	

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SOURCE OPERATING CONDITIONS

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	6–6.6 V	—
Heater Current	40 A–100 A	—
Reservoir Voltage	3.5–6 V	—
Reservoir Current at 5.5V	20 A–60 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Heating Time	15 min	—
Peak Forward Anode Voltage	50000 V	—
Peak Inverse Anode Voltage	50000 V	—
Peak Anode Current	4000 A	—
Average Anode Current	8 A	—
RMS Anode Current	125 A	—
Anode Dissipation Maximum	2000 W	—

TUBE TINKER

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