

Four-megawatt ceramic hydrogen thyatron with auxiliary electrode for low-jitter pulse switching. Its controlled discharge handles substantial pulse power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 8 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	16000 V
Hydrogen thyatron; fixed schema has no dedicated thyatron promoted fields, so switching ratings are preserved densely in parameters.	

('IsGasFilled', 'IsPulseRated', 'IsHighVoltageTube')

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 current	6 A–10 A	—
Reservoir voltage nominal	4.4 V	—
Reservoir current typical	4 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak anode voltage forward	16000 V	—
Maximum peak inverse anode voltage	16000 V	—
Maximum peak anode current	500 A	—
Maximum average anode current	600 mA	—
Maximum RMS anode current	8 A	—
Maximum anode current rate of rise	2000 A/us	—
Maximum anode delay time	0.3 us	—
Maximum anode delay drift	0.04 us	—
Maximum time jitter	0.005 us	—
Minimum heating time	3 min	—