

Radiation-cooled mercury-vapor thyatron for stepless voltage-output and DC motor control. Grid triggering regulates substantial industrial power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 6.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM CATHODE CURRENT	1 A
<i>Promoted only where the locked section schema has a direct semantic match; device-specific thyatron, magnetron, transmitting-tube, ignitron, and broadband data are retained in TUBE_SECTION_PARAMETER.</i>	

Radiation-cooled mercury-vapor thyatron for stepless voltage-output and DC motor control.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Amperex Industrial

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

1958 AMPEREX INDUSTRIAL

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	5 V	ThyatronService
Filament current	6.5 A	ThyatronService
Filament heating time	120 s	ThyatronService
Tube voltage drop	15 V	ThyatronService
Ionization time	10 us	ThyatronService
Deionization time	250 us	ThyatronService

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak forward voltage	13000 V	ThyatronService
Maximum peak inverse voltage	13000 V	ThyatronService
Maximum peak anode current	4 A	ThyatronService
Maximum average anode current	1 A	ThyatronService
Maximum grid voltage	-100 V	ThyatronService



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	5 V	Section1
Heater or filament current	6.5 A	Section1
Peak forward voltage maximum	13000 V	Thyatron
Peak inverse voltage maximum	13000 V	Thyatron
Peak anode current maximum	4 A	Thyatron
Average anode current maximum	1 A	Thyatron
Maximum grid voltage	-100 V	Thyatron
Recommended temperature range	+25 to +55 °C	Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	120 s	Thyatron
Tube voltage drop	15 V	Thyatron
Ionization time	10 µs	Thyatron
Deionization time	250 µs	Thyatron

TUBE TINKER

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