

ELECTRONIC TUBE REFERENCE

6786

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

High-voltage grid-controlled mercury-vapor thyatron designed for industrial RF generators and transmitting equipment, providing controlled power switching in substantial RF systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 20 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
PEAK INVERSE VOLTAGE	15000 V
NOMINAL OUTPUT CURRENT	10 A
PEAK FORWARD CURRENT	15 A
Published maximum ratings and general characteristics promoted from the supplied datasheet.	

High-voltage, grid-controlled mercury-vapor thyatron intended for industrial RF generators and transmitting equipment.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	5 V	—
Heater/Filament Current	20 A	—
Maximum Peak Inverse Voltage	15000 V	—



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
Heater/filament voltage	5 V	Published Amperex table
Heater/filament current	15-20 A	Published Amperex table
Tube drop	12 V	Published Amperex table

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward peak voltage	15000 V	Published Amperex table
Inverse peak voltage	15000 V	Published Amperex table
Peak anode current	45 A	Published Amperex table
Average anode current	10-15 A	Published Amperex table

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament current minimum	15 A	—
Filament current maximum	20 A	—
Filament heating time	600 s	—
Tube voltage drop	12 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak forward anode voltage	15000 V	—
Peak inverse anode voltage	15000 V	—
Peak anode current	45 A	—
Average anode current minimum	10 A	—
Average anode current maximum	15 A	—
Condensed-mercury temperature minimum	25 degC	—
Condensed-mercury temperature maximum	55 degC	—