

ELECTRONIC TUBE REFERENCE

F695

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

Four-electrode mercury-vapor thyatron designed for high-impedance, low-grid-power control sources. Its heavy heater supports substantial controlled current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 4.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM CATHODE CURRENT	2.5 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>	

Four-electrode mercury-vapor thyatron designed for high-impedance, low-grid-power control sources.

SOURCE OPERATING CONDITIONS

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	5 V	Section1
Heater or filament current	4.5 A	Section1
Peak forward voltage maximum	1000 V	Thyatron
Peak inverse voltage maximum	1000 V	Thyatron
Peak anode current maximum	15 A	Thyatron
Average anode current maximum	2.5 A	Thyatron
Maximum grid voltage	-1000 V	Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	300 s	Thyatron
Tube voltage drop	16 V	Thyatron
Ionization time	10 μ s	Thyatron
Deionization time	1000 μ s	Thyatron