

ELECTRONIC TUBE REFERENCE

5544

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Grid-controlled gas thyatron documented by Amperex for controlled switching and power-conduction service, with published ratings and operating characteristics for industrial circuitry.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 12 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron
No fixed ratings recorded.
Xenon-filled thyatron for electronic control, motor-speed/current/voltage regulation, counting, sorting, and switching service.

5544 is listed in the supplied Amperex material as a grid-controlled gas thyatron. Published ratings and operating characteristics were captured from the supplied table.



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 heating time	60 s	—
Tube drop	16 V	Conducting
Deionization time	100 us	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak forward anode voltage	1500 V	—
Peak inverse anode voltage	1500 V	—
Peak anode current	40 A	—
Average anode current	3.2 A	—
Maximum grid voltage	-250 V	—



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 voltage	2.5 V	ThyatronService
Filament current	12 A	ThyatronService

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	60 s	ThyratronService
Tube voltage drop	16 V	ThyratronService

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak forward voltage	1500 V	ThyratronService
Maximum peak inverse voltage	1500 V	ThyratronService
Maximum peak anode current	40 A	ThyratronService
Maximum average anode current	3.2 A	ThyratronService
Maximum grid voltage	-250 V	ThyratronService