

ELECTRONIC TUBE REFERENCE

4686

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Argon-filled heated gas triode designed for time-base oscillator service, generating repetitive timing or sweep waveforms through controlled gas-discharge operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	P30-IX	BASE PINS	—
NOMINAL HEATER	4 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM CATHODE CURRENT	3 mA
<i>Promoted only from clearly identified published characteristics/limits; additional operating, capacitance, regulator, gas-tube, and push-pull data retained as section parameters.</i>	

Argon-filled heated gas triode for time-base oscillator service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Philips Miniwatt Vacuum Tube Catalog

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

1938 PHILIPS MINIWATT VACUUM TUBE CATALOG

Section 1 · Thyatron

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gas filling	Argon	Section1

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-anode capacitance	2.2 pF	Section1
Anode-to-cathode capacitance	3.2 pF	Section1
Grid-to-cathode capacitance	3.8 pF	Section1

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc extinction voltage	17 V	Approximate
Minimum grid-circuit resistance per volt peak grid voltage	1000 Ω	TimeBase
Striking-voltage to grid-voltage ratio	21	TimeBase

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak voltage between electrodes	350 V	TimeBase
Maximum peak anode voltage	300 V	TimeBase
Maximum peak anode current	300 mA	TimeBase
Maximum mean anode current	3 mA	OscillatingCondition

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum grid-circuit resistance	0.5 MΩ	TimeBase
Maximum filament-to-cathode voltage	100 V	CathodePositive
Maximum attainable frequency	50000 Hz	TimeBase