

ELECTRONIC TUBE REFERENCE

OA4G

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

Cold-cathode gas triode with starter anode for relay service. Heaterless gas discharge provides abrupt electronic control and switching.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyratron	
MAXIMUM CATHODE CURRENT	100 mA
Published ratings and characteristics promoted from approved datasheet.	

RCA OA4-G is a cold-cathode gas triode using a starter anode to initiate and transfer the glow discharge for relay-control applications.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 RCA HB3 Binder 2 of 7

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

1971 RCA HB3 BINDER 2 OF 7

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak anode breakdown voltage with starter anode tied to cathode	225— V	—
Peak positive starter-anode breakdown voltage	70–90 V	—
Starter-anode current for transition to anode	—100 uA	—
Starter-anode voltage drop	60 V	—
Anode voltage drop	70 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak cathode current	100 mA	—
DC cathode current	25 mA	—
AC anode-supply voltage	105–130 V	Relay service RMS
Maximum AC starter-anode voltage	70 V	—
Minimum RF starter-anode voltage	55 V	—
Minimum sum of AC and RF starter-anode voltages	110 V	—

TUBE TINKER

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and their source documents.

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