

ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RELAYCONTROL SWITCH

1C21

Specialized - Switching Tube electronic tube

Cold-cathode glow-discharge relay tube for DC operation. Gas ionization provides abrupt electronic control without a heater, similar in function to the OA4-G.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 RelayControlSwitch
<i>No fixed ratings recorded.</i>
<i>Cold-cathode relay type with starter electrode.</i>

The 1C21 is a cold-cathode glow-discharge relay tube intended for DC operation. The data gives starter-electrode breakdown limits plus 100 mA peak and 25 mA average cathode-current ratings.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · RelayControlSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse anode voltage	180 V	—
Maximum peak cathode current	100 mA	—
Maximum average cathode current	25 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Starter-electrode breakdown voltage	66–80 V	Approximate range 66 to 80 V