

ELECTRONIC TUBE REFERENCE

G1502D

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RELAYCONTROL SWITCH

Cold-cathode three-electrode gas-filled triode with activated cathode for relay and counter applications. Gas-discharge conduction provides heaterless control switching.

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
MAXIMUM CATHODE CURRENT	30 mA
Published ratings/characteristics promoted where applicable.	

Cold-cathode three-electrode gas-filled triode with activated cathode for relay and counter applications.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · RelayControlSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Control gap breakdown voltage minimum	60 V	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Control gap breakdown voltage maximum	80 V	Published datasheet value
Maximum peak cathode current	50 mA	Published datasheet value
Maximum average cathode current	30 mA	Published datasheet value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Standard Valves

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

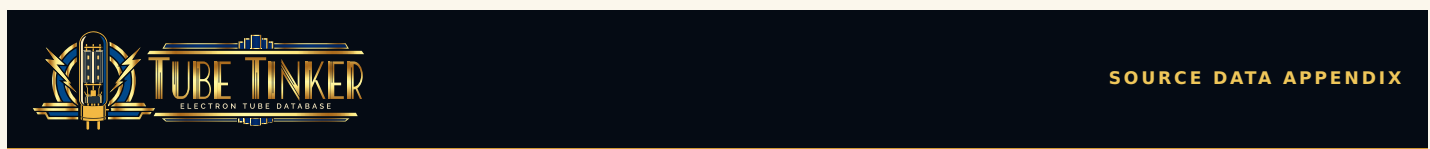
1947 STANDARD VALVES

Section 1 · RelayControlSwitch

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Control-gap breakdown voltage	70 V	—
Control-gap maintaining voltage	60 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Main-gap minimum breakdown voltage	150 V	—
Main-gap maintaining voltage	75 V	—
Transfer current at 130 V anode	5 uA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Optimum operating current	20 mA	—
Maximum peak cathode current	50 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 1 · RelayControlSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Main Gap Breakdown Voltage Minimum	150 V	—
Main Gap Maintaining Voltage Minimum	60 V	—
Main Gap Maintaining Voltage Maximum	77 V	—
Control Gap Breakdown Voltage Minimum	60 V	—
Control Gap Breakdown Voltage Maximum	80 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Recommended Operating Current	20 mA	—
Maximum Peak Cathode Current	50 mA	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Average/Direct Cathode Current	30 mA	—