

ELECTRONIC TUBE REFERENCE

GR33

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RELAYCONTROL SWITCH

Cold-cathode relay tube with stable starter breakdown voltage for DC control. Gas-discharge operation provides repeatable heaterless 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

SECTION1 RelayControlSwitch
No fixed ratings recorded.

Cold-cathode relay tube with molybdenum cathode and closely controlled, highly stable starter breakdown voltage for DC relay/control circuits.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Cerberus

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

1962 CERBERUS

Section 1 · RelayControlSwitch

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Starter breakdown voltage	128–147 V	StarterPositive
Maintaining voltage A-K	105 V	—
Control current direct	0.025–8 mA	UA>=240V
Control capacitance at 170 V	2700–4700 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode current mean maximum	25 mA	—
Cathode current peak maximum	100 mA	—
Anode supply voltage	170–290 V	—
Keep-alive anode current maximum	25 uA	—

TUBE TINKER

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