



ELECTRONIC TUBE REFERENCE

G42

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
DIODE

Subminiature cold-cathode switching diode for DC switching and relaxation oscillators, using an oxide-coated cathode and slight preionization for reproducible firing.

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 Diode	
MAXIMUM CATHODE CURRENT	100 mA
Cold-cathode switching/relay/display section; device-specific glow-discharge values preserved in parameter table.	

Cold-cathode switching diode for DC operation with oxide-coated cylindrical cathode, slight preionization and subminiature flying-lead construction.

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 · Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
BreakdownVoltageAK	145–165 V	—
BreakdownVoltageKA	100 V	—
MaintainingVoltage	50–65 V	At 10 mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RelaxationOscillatorPeakCurrent	—100 mA	C=4 uF
TypicalSupplyVoltage	250— V	Relaxation oscillator

TUBE TINKER

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