

ELECTRONIC TUBE REFERENCE

AD30

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
DIODE

Cold-cathode gas-filled arc-discharge diode designed for short high-current pulses, including magnetostriction-oscillator switching service.

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 Diode	
MAXIMUM PLATE VOLTAGE	1800 V
MAXIMUM CATHODE CURRENT	100 mA
Promoted fields were populated only where the Ferranti sheet maps cleanly to the locked schema; additional ratings and operating values are retained in TUBE_SECTION_PARAMETER.	

Cold-cathode gas-filled arc-discharge diode for short high-current pulses, including magnetostriction-oscillator service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Ferranti

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

1963 FERRANTI

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mean anode current maximum	100 mA	—
Operating frequency maximum	4 pps	—
Discharge capacitance maximum	10 uF	—
Anode voltage	1650 V	PulseDischarge
Discharge capacitance	4 uF	PulseDischarge
Trigger voltage	20000 V	PulseDischarge
Load resistance	4 0hm	PulseDischarge
Peak anode current	250 A	Approximate
Current pulse duration	25 us	Approximate;R=40hm

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Delay time	50 us	Approximate

TUBE TINKER

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and their source documents.

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