

1B48

TENTATIVE DATA
RAYTHEON TYPE 1B48

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COLD CATHODE GAS RECTIFIER

The 1B48 is a small gaseous cold cathode half wave rectifier tube designed with special insulation features for use where a moderately high voltage is required. Several tubes may be operated in cascade to obtain considerably higher voltage output from less space than heretofore required.

BULB: T-5 1/2 Glass

BASE: Button 7-Pin (With Center Pin)

MOUNTING POSITION: Any

DIMENSIONS

Maximum Overall Length (Excluding Center Pin)	2 1/8	inches
Maximum Seated Height	1 7/8	inches
Seated Height to Bulb Diameter of 7/16"	1 1/2 ± 3/32	inches
Maximum Diameter	3/4	inches
Center Pin Diameter	0.046	inches
Maximum Center Pin Length	11/16	inches

BASING

Pin 1 - Cathode	Pin 5 - Cathode
Pin 2 - Cathode	Pin 6 - Cathode
Pin 3 - Cathode	Pin 7 - Cathode
Pin 4 - Starter Anode	Center Pin - Anode

RATINGS

Maximum Peak Inverse Voltage	2700	volts
Maximum Peak Plate Current	50	ma
Average D.C. Voltage Drop at 6 ma	100	volts
Maximum D.C. Output Current	6	ma
Maximum Peak Plate Voltage	1600	volts
Minimum Peak A.C. Starting Voltage *	800	volts
Maximum Starter Anode Current	100	µa

* With starter anode connected to anode through a 10 megohm resistor.

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RAYTHEON ENGINEERING SERVICE

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