



ELECTRONIC TUBE REFERENCE

RA0007B

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

DIODE

Special high-vacuum control diode designed for voltage-stabilizing circuits and applications exploiting the dependence of cathode emission on filament voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	1.4 V / 3.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Diode	
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM CATHODE CURRENT	2 mA
PEAK INVERSE VOLTAGE	600 V
NOMINAL OUTPUT CURRENT	0.7 mA
<i>Published values promoted where clearly readable; identical repeated sections compressed when applicable.</i>	

Special high-vacuum rectifier diode intended for control-diode service in tube voltage-stabilizing circuits and other applications exploiting filament-voltage dependence of cathode emission.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · Diode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	4 V	Published nominal value or midpoint of published range
Heater current	3.5 A	Published nominal value or midpoint of published range



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tesla Tubes

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

1966 TESLA TUBES

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum heater voltage	1.4 V	—
Maximum heater current	3.5 A	—
Maximum anode current	0.7 mA	—
Maximum cathode emission current	2 mA	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

