



ELECTRONIC TUBE REFERENCE

D77

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

Miniature indirectly heated double diode with separate cathodes for low- and high-frequency detector service, with resonance extending to roughly 700 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B7G	BASE PINS	7
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
MAXIMUM PLATE DISSIPATION	0.25 W
PEAK INVERSE VOLTAGE	350 V
NOMINAL OUTPUT CURRENT	5 mA
PEAK FORWARD CURRENT	50 mA
<i>Applicable promoted ratings mapped semantically from the printed approximate-data/ratings tables; useful non-promoted operating, capacitance and service data retained in TUBE_SECTION_PARAMETER.</i>	

SECTION2 Diode	
<i>No fixed ratings recorded.</i>	
<i>Physical second diode section added during approved section-structure reconciliation.</i>	

TESLA EAA91 is a dual diode with separate indirectly heated cathodes for low- and high-frequency operation; one section has a resonant frequency of about 700 MHz.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Voltage	350 V	—
Average Anode Current Maximum	5 mA	—
Peak Anode Current Maximum	50 mA	—
Diode Cathode-Cathode Capacitance	2.2 pF	—
Diode Anode-All Capacitance	3.5 pF	—
Inter-Diode Anode Capacitance	0.025 pF	—



SOURCE OPERATING CONDITIONS

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
Interelectrode capacitances	Published	See source sheet for electrode-specific capacitance values

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

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