



ELECTRONIC TUBE REFERENCE

DA90

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
DIODE

Battery-oriented single diode with a 1.4 V heater and high resonant frequency, intended for detector and low-level signal rectification in portable equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Miniature	BASE PINS	7
NOMINAL HEATER	1.4 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
PEAK INVERSE VOLTAGE	330 V
NOMINAL OUTPUT CURRENT	0.5 mA
PEAK FORWARD CURRENT	5 mA
MAXIMUM HEATER-CATHODE VOLTAGE	140 V
Single diode; P.I.V. 330 V and 0.5 mA maximum anode current.	

Single indirectly heated diode primarily intended for battery-operated equipment, with a 1.4 V heater, about 1 GHz resonant frequency and 330 V peak inverse voltage rating.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Diode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-cathode capacitance	0.4 pF	—
Anode-heater capacitance	0.8 pF	—
Heater-cathode capacitance	0.6 pF	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Resonant frequency approximate	1000 MHz	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage maximum	330 V	—
Anode current maximum	0.5 mA	—
Heater-cathode voltage maximum	140 V	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Diode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-cathode capacitance	0.4 pF	Published datasheet value
Anode-filament capacitance	0.8 pF	Published datasheet value
Cathode-filament capacitance	0.6 pF	Published datasheet value
Resonant frequency approximate	1000 Mc/s	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Inverse peak anode voltage maximum	—330 V	Published datasheet value
D.C. anode current maximum	—0.5 mA	Published datasheet value
Peak anode current maximum	—5 mA	Published datasheet value
Cathode-to-heater voltage maximum	—140 V	Published datasheet value