

ELECTRONIC TUBE REFERENCE

YA1000

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
DIODE

Directly heated Telefunken diode with approximately 5 kV peak reverse-voltage capability, intended for high-voltage rectification or related diode service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	4 V / 325 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	5 mA
PEAK INVERSE VOLTAGE	5000 V
High-voltage diode.	

The Telefunken YA1000 is a directly heated diode with a 5 kV peak reverse-voltage rating.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Diode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	300 V	—
Plate Current	0.4 mA	—
Plate-to-Filament Capacitance	1.25 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Reverse Voltage	5000 V	—
Maximum Plate Current	5 mA	—