

ELECTRONIC TUBE REFERENCE

GRD7

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
DIODE

Directly heated guard-ring demonstration diode with coaxial electrodes, designed for educational investigation of saturated thermionic current and related electron-flow phenomena.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	5 W
Published Ferranti ratings and characteristics promoted where applicable; additional electrical, pulse, regulator, microwave, and operating data retained as parameters.	

Directly heated guard-ring demonstration diode with cylindrical coaxial electrodes and tungsten filament.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Ferranti

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

1963 FERRANTI

Section 1 · Diode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Educational saturated-diode demonstration / stabilized AC supply	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage maximum	7 V	—
Anode voltage maximum	300 V	—
Anode dissipation maximum	5 W	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament diameter	0.125 mm	—
Effective filament length	14.5 mm	—
Anode internal diameter	6.5 mm	—
Anode length	14.5 mm	—

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker