

Experimental high-vacuum diode designed for laboratory study of thermionic emission, space charge, and magnetic-field effects rather than normal receiver operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4 V / 2.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
MAXIMUM PLATE VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	15 W
Anode ratings mapped semantically to plate fields.	

The FP400 is a diode designed for experimental study of electrical discharges in high vacuum, including space-charge, emission, and magnetic-field effects.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

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Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Anode Voltage	100 V	—
Typical Anode Current	2.5 mA	—