

ELECTRONIC TUBE REFERENCE

4X025

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated noble-gas-filled high-voltage half-wave rectifier designed specifically for mobile rectifier installations. Gas-assisted conduction provides substantial current at multi-kilovolt voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	2.5 V / 5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	10000 V
NOMINAL OUTPUT CURRENT	250 mA
PEAK FORWARD CURRENT	1 A
Noble-gas high-voltage rectifier.	

A directly heated noble-gas-filled rectifier designed specifically as a high-voltage half-wave rectifier in mobile rectifier installations.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDfunk TECHNIK

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	2.5 V	Nominal
HeaterCurrentNominal	5 A	Nominal
Maximum Peak Inverse Voltage	10000 V	—
Rectified Output Current	250 mA	—
PeakForwardCurrent	1 A	—