

ELECTRONIC TUBE REFERENCE

DR110

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated mercury-vapor high-voltage rectifier for high-power industrial supplies. Its heavy filament, multiampere output, and very high peak-current capability suit demanding power conversion.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 7 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	5 A
PEAK FORWARD CURRENT	12.5 A
FORWARD VOLTAGE DROP	14 V
Representative electrical section; repeated identical sections are compressed where applicable.	

High-voltage mercury-vapor gas rectifier intended for high-power rectifier circuits.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Lamina

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

196X LAMINA

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mercury temperature	25-50 degC	Required mercury-temperature operating range