

ELECTRONIC TUBE REFERENCE

7136

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Convection-cooled directly heated mercury-vapor half-wave rectifier for industrial supplies. Rated for approximately 15 kV peak inverse voltage, 2.5 A DC output, and 12 A peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	5 V / 11.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	15000 V
NOMINAL OUTPUT CURRENT	2.5 A
PEAK FORWARD CURRENT	12 A
FORWARD VOLTAGE DROP	12 V
WARM-UP TIME	60 s
Published maximum ratings and general characteristics promoted from the supplied datasheet.	

7136 is listed in the supplied Amperex material as a convection-cooled mercury-vapor half-wave rectifier. Published electrical ratings and operating data were captured from the supplied table.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	5 V	—
Heater/Filament Current	11.5 A	—
Maximum Peak Inverse Voltage	15000 V	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	5 V	Published rating
Heater/filament current	11.5 A	Published rating
Filament heating time	60 s	MercuryVapor HalfWave
Tube voltage drop	12 V	MercuryVapor HalfWave
Operating temperature minimum	15 C	MercuryVapor
Operating temperature maximum	35 C	MercuryVapor

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	15000 V	MercuryVapor HalfWave
Maximum DC output current	2.5 A	MercuryVapor HalfWave
Maximum peak plate current	12 A	MercuryVapor HalfWave