



ELECTRONIC TUBE REFERENCE

F575A

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated mercury-vapor half-wave rectifier for high-voltage circuits. Its heavy filament and low arc voltage provide ampere-class industrial output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 10 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	15000 V
NOMINAL OUTPUT CURRENT	1.5 A
PEAK FORWARD CURRENT	7 A
FORWARD VOLTAGE DROP	10 V
WARM-UP TIME	30 s
<i>Published maximum ratings and characteristics audited; remaining numeric data retained densely in parameter table.</i>	

Mercury-vapor half-wave rectifier intended for high-voltage rectifier circuits.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 ITT

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

1962 ITT

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
P Filament Voltage	5 V	P Filament Voltage 5 Volts
Anode Voltage [1]	10000 V	Anode Voltage 10,000 15,000 Volis
Anode Voltage [2]	15000 V	Anode Voltage 10,000 15,000 Volis
F	575 mA	F-575-A may be employed are illustrated above. The ated at maximum permissible space current and



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 ITT Industrial and Transmitting Tubes

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

1962 ITT INDUSTRIAL AND TRANSMITTING TUBES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum surge cathode current	60 A	0.2 s
Maximum frequency	150 Hz	—

TUBE TINKER

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and their source documents.

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