



ELECTRONIC TUBE REFERENCE

FG166

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated all-metal mercury-vapor phanotron rectifier for high-current, low-voltage service. Its enormous filament and low arc voltage provide roughly twenty amperes of output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 100 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1500 V
NOMINAL OUTPUT CURRENT	20 A
PEAK FORWARD CURRENT	75 A
FORWARD VOLTAGE DROP	9 V
WARM-UP TIME	120 s
<i>Promoted fields mapped semantically from printed ratings/characteristics headings.</i>	

All-metal mercury-vapor half-wave phanotron rectifier for high-current low-voltage rectifier service.

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.

1968 GENERAL ELECTRIC CO

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time, typical	2 minutes	Filament heating time, typical.. 2 minutes
Condensed mercury temperature	30 degC	Condensed mercury temperature.....30 centigrade)
Temperature of side of tube. e	100 degC	Temperature of side of tube. e 100 centigrade
Condensed mercury temperature	35 degC	Condensed mercury temperature.....35 centigrade
Temperature of side of tube. s iiei.i	150 degC	Temperature of side of tube. s iiei.i.....150 centigrade
Maximum time of averaging current	30 seconds	Maximum time of averaging current..... .. 30 seconds
+40 to +	60 degC	. +40 to +60 centigrade
K-6917484 2-10	-45 v	K-6917484 2-10-45 v [y =i

TUBE TINKER

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