



ELECTRONIC TUBE REFERENCE

ESU106

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Indirectly heated mercury-vapor half-wave rectifier for high-current industrial supplies. Its heavy cathode system and low arc voltage provide multiampere output at high voltage.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	20000 V
NOMINAL OUTPUT CURRENT	3 A
PEAK FORWARD CURRENT	15 A
FORWARD VOLTAGE DROP	15 V
WARM-UP TIME	180 s

Indirectly heated mercury-vapor half-wave rectifier for high-current power supplies.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 1 · Rectifier

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current range	14-16 A	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum surge cathode current	150 A	0.1s



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 AEI Industrial Valves

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

1961 AEI INDUSTRIAL VALVES

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
CondensedMercuryTemperatureRange	25–70 C	—
HeaterCurrentRange	14 A–16 A	—
MaximumSurgeCathodeCurrent	150 A	0.1s max



1961 Associated Electrical Industries

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

1961 ASSOCIATED ELECTRICAL INDUSTRIES

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current range	14-16 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum surge cathode current	150 A	0.1s

TUBE TINKER

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