



ELECTRONIC TUBE REFERENCE

F353A

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Directly heated mercury-vapor half-wave rectifier for high-voltage conversion. Its heavy filament and low arc voltage provide ampere-class output at multi-kilovolt voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	5 V / 7.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	10000 V
NOMINAL OUTPUT CURRENT	1.25 A
PEAK FORWARD CURRENT	5 A
FORWARD VOLTAGE DROP	14 V
Explicit alias/co-designation; values duplicated from the same approved source.	

Half-wave mercury-vapour rectifier.

SOURCE OPERATING CONDITIONS

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Supply frequency	50 Hz	ChokeInputFilter
Minimum cathode heating time	1 min	—

TUBE TINKER

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and their source documents.

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