



ELECTRONIC TUBE REFERENCE

5973A

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Ruggedized high-vacuum half-wave rectifier and surge-limiting diode for radar and high-voltage supplies, providing approximately 75 kV inverse-voltage capability under demanding pulse conditions.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM PLATE DISSIPATION	850 W
PEAK INVERSE VOLTAGE	75000 V
NOMINAL OUTPUT CURRENT	1.25 A
PEAK FORWARD CURRENT	20 A
<i>Published ratings and characteristics promoted from the approved Westinghouse/RMA source.</i>	

Ruggedized high-vacuum rectifier and surge-limiting diode for radar and high-voltage power supplies.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Westinghouse

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

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Section 1 · Rectifier

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	RadarChargingDiode_SurgeLimiter text	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
XRayWarningThreshold	16 kV	—