



ELECTRONIC TUBE REFERENCE

3B27

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Electronic Enterprises 3B27 indirectly heated high-vacuum half-wave rectifier with 2.5 V 5 A heater, 60-second warm-up and up to 8500 V peak inverse voltage under specified current limits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	2.5 V / 5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	8500 V
NOMINAL OUTPUT CURRENT	150 mA
PEAK FORWARD CURRENT	600 mA
FORWARD VOLTAGE DROP	35 V
WARM-UP TIME	60 s
RMA 1944 3B27 half-wave high-vacuum rectifier. Paired alternative maximum ratings: (I) PIV 8500 V, peak plate current 0.6 A, average output 150 mA; (II) PIV 7500 V, peak plate 0.8 A, average 200 mA; (III) PIV 6000 V, peak plate 1.0 A, average 250 mA. Promoted PIV/current fields correspond to Rating I only; do not combine maxima across rating sets. Forward voltage drop 35 V at 150 mA, 45 V at 200 mA, 55 V at 250 mA. Heater 2.5 V 5 A; wait 60 s before plate voltage. Indirectly heated oxide cathode, medium anode top cap.	

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