

SECURITY CLASSIFICATION (Unclassified)

TYPE R.M.A. 3B27
HIGH VACUUM RECTIFIER

GENERAL CHARACTERISTICS

Electrical

(a) Filament or Cathode - Indirectly-heated, Oxide-coated Cathode

Voltage	2.5 volts
Current	5.0 amps.
Heating Time (Before applying plate voltage)	60 sec.

Tube Voltage Drop (Specify Eb at maximum average Ib or supply graph)	Eb = 55 volts at 250 Ma. D.C.
	Eb = 45 " " 200 Ma. D.C.
	Eb = 35 " " 150 Ma. D.C.

Capacitance - - -

Mechanical

Type of Cooling	Convection				
(b) Base Description	Medium 4-pin,	Bayonet,	Phenolic		
(b) Base Connections	Pin 1	2	3	4	Cap
	Element h	NC	NC	h	P
		K ₁		K ₂	
(c) Maximum Overall Dimensions					
Length - 6.57"					
Diameter - 2.44"	Bulb - ST-19				

MAXIMUM RATINGS

Rectifier Service			
Peak Inverse Voltage	8500 volts	7500 volts	6000 volts
Peak Plate Current	0.6 amp.	0.8 amp.	1.0 amp
Average Plate Current	150 ma.	200 ma.	250 ma.

Sponsor: ELECTRONIC ENTERPRISES, INC., Newark, N. J.

Date: November 13, 1944

By John H. Wyman, Dir. of Eng.

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