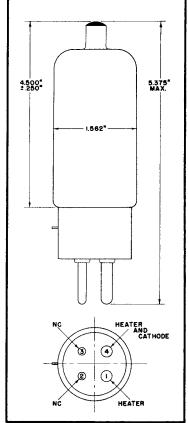
TECHNICAL INFORMATION

DIODE RECTIFIER

TYPE RK-3B29



Sacellence in Slettronics

The RK3B29 is a heater-cathode, high vacuum type designed for use as a clipper diode or rectifier It is mechanically ruggard and in addition use a hard glass nonex envelope. The plates are gold plated, zirconium coated and radially cooled for better operation at high voltages. The cathode is heliarc welded making the internal connection more ruggard and giving better contact. The self supporting anodes eliminate use of mica spacers allowing high temperatures during exhaust thereby obtaining less gas and longer life.

MECHANICAL DATA

ENVELOPE: T-12

BASE: Medium 4- Pin Bayonet, A 4-10, Phenolic

RAYTHEON

TERMINAL CONNECTIONS:

Pin 1 Heater Pin 2 NC Pin 3 NC Pin 4 Heater and Cathode

Cap Plate

COOLING: Freely Circulating Air

ELECTRICAL DATA

RATINGS - ABSOLUTE MAXIMUM - RECTIFIER:

OPERATION 1		
Heater Voltage (ac) Peak Plate Inverse Voltage Peak Plate Current Average Plate Current (dc)	2.5±10% 16 .25 64	kv amp
OPERATION 2		
Heater Voltage (ac) Peak Plate Inverse Voltage Peak Plate Current Average Plate Current (dc)	2.5 ± 10% 7.7 .30 80	kv
OPERATION 3		
Heater Voltage (ac) Peak Plate Inverse Voltage Peak Plate Current Average Plate Current (dc)	2.5 ± 10 % 5.0 .30 95	kv
RATINGS - ABSOLUTE MAXIMUM - SHUNT DIODE:		
Heater Voltage (ac) Peak Plate Inverse Voltage Peak Plate Current Average Plate Current (dc) Pulse Duration in 100µsec Interval	8.0 18	kv amp
CHARACTERISTICS AND TYPICAL OPERATION:		
Heater Potential Heater Current Heating Time Plate to Cathode Capacitance Plate Current (dc)		
Peak Emission (eb=4000 v)	8.0	om p

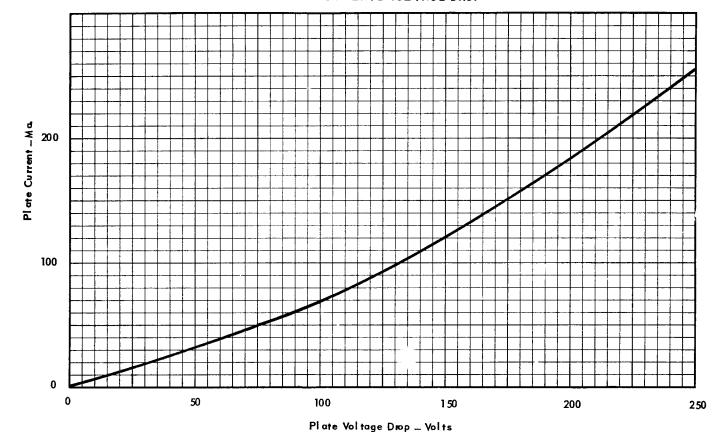
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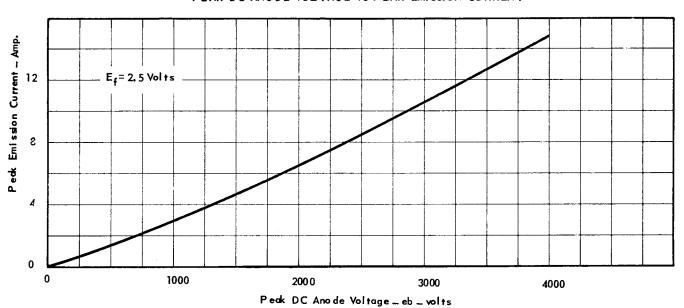


DIODE RECTIFIER

AVERAGE PLATE VOLTAGE DROP



PEAK DC ANODE VOLTAGE VS PEAK EMISSION CURRENT



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