



Excellence in Electronics

TYPE RK-3B26

The RK3B26 is a heater-cathode, high-vacuum clipper diode designed for use in high voltage application. It is mechanically rugged and in addition uses a hard glass nonex envelope. The plates are gold plated and zirconium coated for better operation at high voltages. The cathode is heliarc welded making the internal connection more rugged and giving better contact. The self supporting anodes eliminate use of mica spacers allowing high temperature during exhaust thereby obtaining less gas and longer life.

MECHANICAL DATA

- ENVELOPE: T-9 Per Outline
BASE: Intermediate Shell Octal 8-Pin, B8-6, Phenolic
TERMINAL CONNECTIONS:
Pin 1 NC, Pin 2 Heater, Pin 3 NC, Pin 4 NC, Pin 5 NC, Pin 6 NC, Pin 7 Heater and Cathode, Pin 8 NC, Cap Plate

MOUNTING POSITION: Vertical
Cooling: Freely Circulating Air

ELECTRICAL DATA

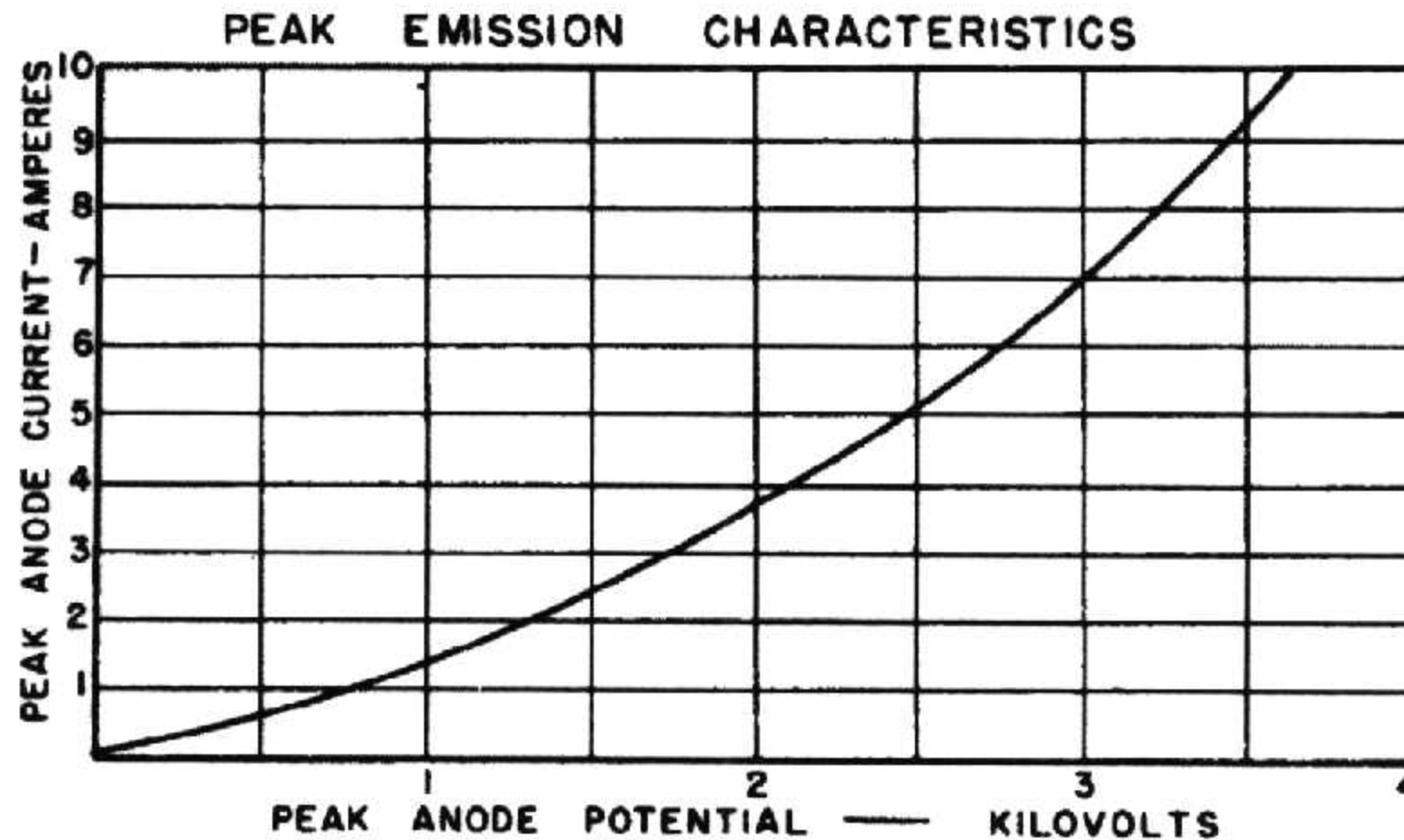
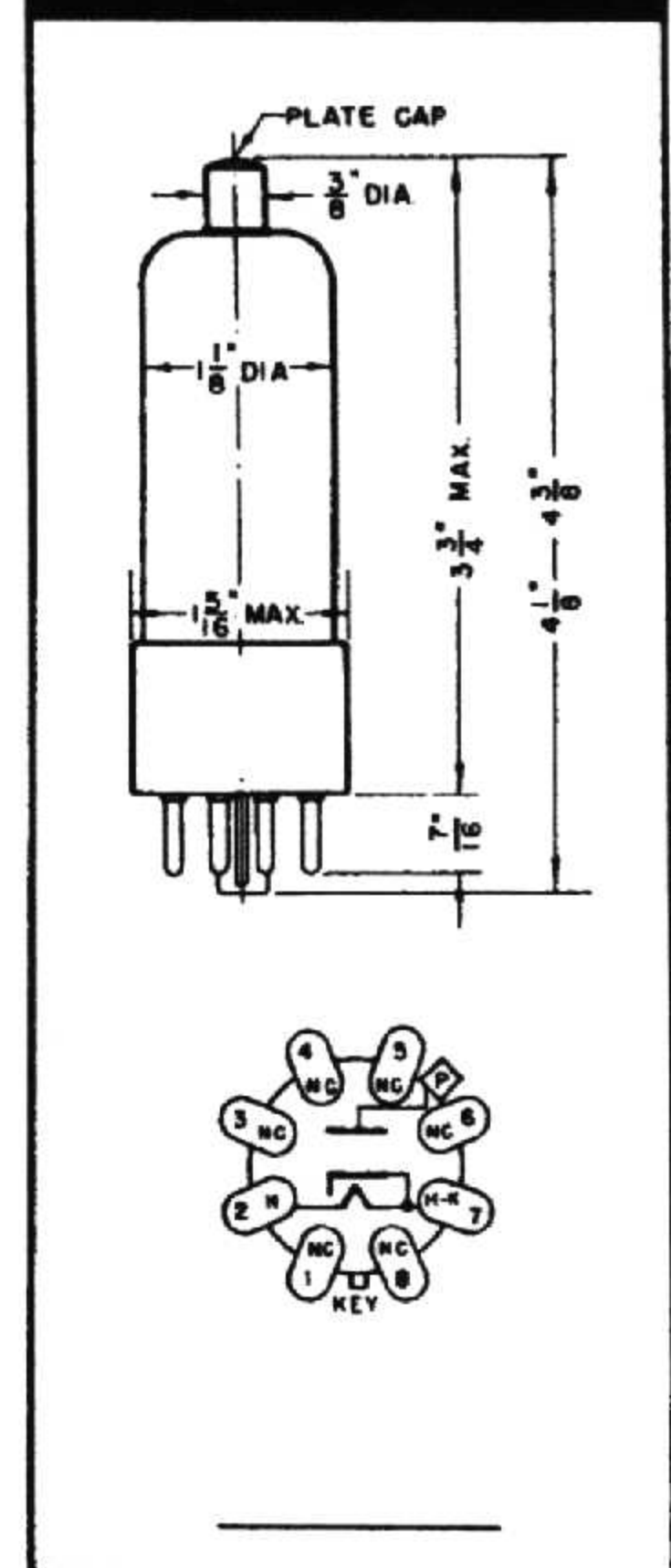
RATINGS - ABSOLUTE MAXIMUM:

Table with 2 columns: Parameter and Value. Includes Heater Voltage (2.5 ± 10% volts), Peak Plate Inverse Voltage (15 kv), Peak Plate Current (8.0 amp), Average Plate Current (20 ma), and Average Plate Dissipation (25 watts).

CHARACTERISTICS AND TYPICAL OPERATIONS:

Table with 2 columns: Parameter and Value. Includes Heater Voltage (2.5 volts), Heater Current (4.75 amp), Cathode Heating Time (2 minutes min.), Voltage Drop at 100 ma (130 volts), Plate Current (dc) Eb=130 vdc (90 ma min), and Peak Emission eb=4000 v (8.0 amp min).

- This value of maximum peak inverse voltage is recommended for tube use in hermetically sealed units that are dry and free from dust.
In clipper service, it is necessary to provide a series resistor in the plate circuit, so that the instantaneous peak plate current will not exceed the specified value under any conditions of equipment overload or arc over.



INDUSTRIAL TUBE DIVISION

RAYTHEON COMPANY