Electronic TUBE

KEN-RAD

25Z6-GT

Description and Rating

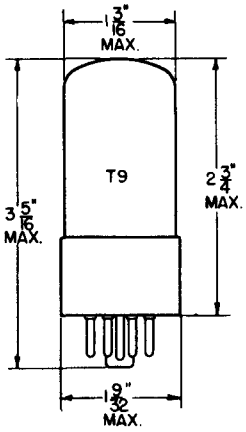
HIGH-VACUUM RECTIFIER DOUBLER

GENERAL DESCRIPTION

Principal Application: The 25Z6-GT is a heater-cathode type full-wave high-vacuum rectifier-doubler tube designed for use in the power supply of a-c or a-c/d-c receivers. Electrically the 25Z5, 25Z6 and 25Z6-GT are identical.

Cathode:	Coated Unipotential
Heater Voltage (A-C or D-C)	25.0 Volts
Heater Current	0.3 Ampere
Envelope:	T-9 Glass
Base:	B7-7 Intermed Shell Octal 7-Pin Phenolic
Mounting Position:	Any

PHYSICAL DIMENSIONS

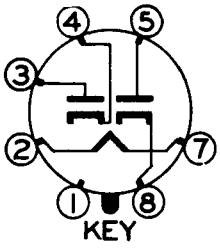


RMA 9-11

TERMINAL CONNECTIONS

Pin 1 - No Connection
Pin 2 - Heater
Pin 3 - Plate Number 2
Pin 4 - Cathode Number 2
Pin 5 - Plate Number 1
Pin 7 - Heater
Pin 8 - Cathode Number 1

BASING DIAGRAM



RMA 7Q
BOTTOM VIEW

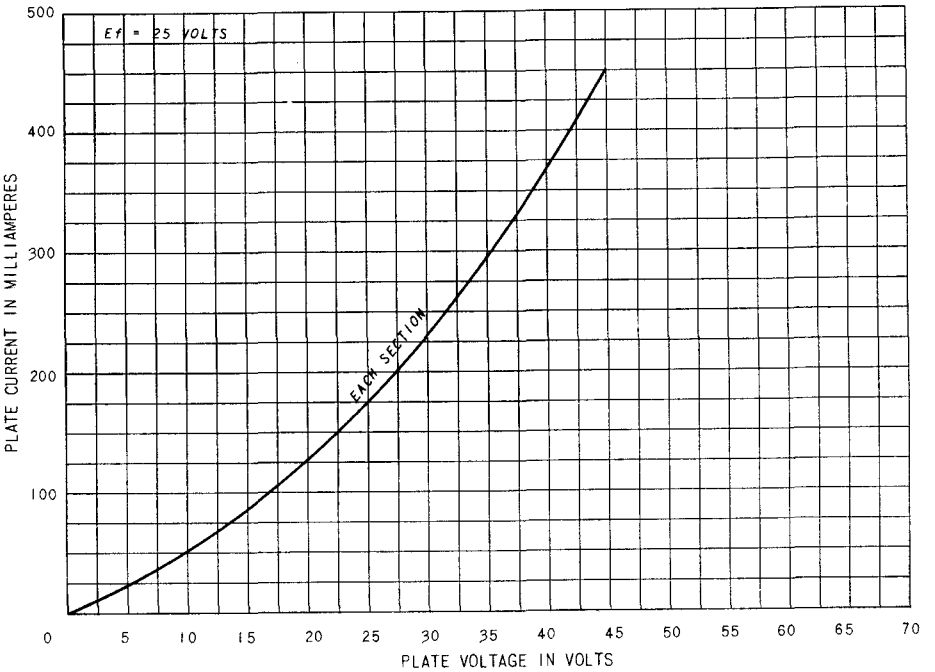
MAXIMUM RATINGS

	Design Center	Absolute	
Peak Inverse Plate Voltage	700	770	Volts
A-C Plate Voltage per Plate (RMS)	235	260	Volts
Peak Plate Current per Plate	450	495	Milliamperes
D-C Output Current per Plate	75	83	Milliamperes
D-C Heater-Cathode Voltage	350	385	Volts

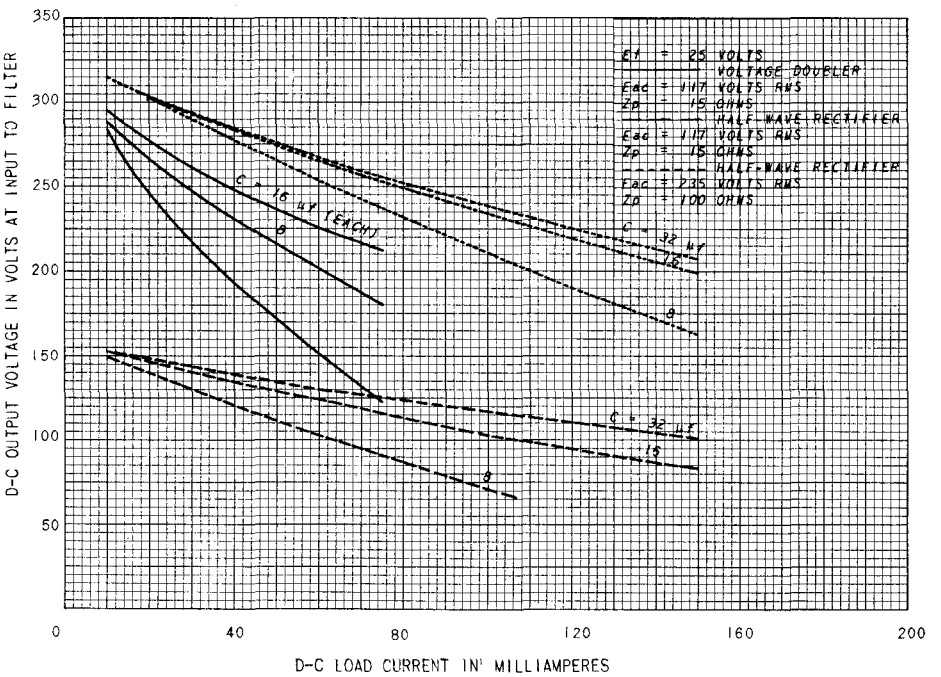
CHARACTERISTICS AND TYPICAL OPERATION

	Half-Wave Rectifier			Voltage Doubler		
				Half-Wave	Full-Wave	
Heater Voltage	25	25	25	25	25	Volts
A-C Plate Voltage per Plate (RMS)	117	150	235	117	117	Volts
Minimum Total Plate-Supply Impedance per Plate	15	40	100	30	15	Ohms
D-C Output Current per Plate	75	75	75	75	75	Milliamperes
D-C Output Voltage at Input to Filter (Approx):						
At Half-Load Current	115	---	255	---	250	Volts
At Full-Load Current	80	---	200	---	205	Volts
Difference (Voltage Regulation)	35	---	55	---	45	Volts
Percentage Regulation	30	---	22	---	18	Per Cent
Filter Input Capacitor	16	16	16	16	16	Microfarads
Tube Voltage Drop: Applied D-C at 150 Milliamperes per Plate			22			Volts

AVERAGE PLATE CHARACTERISTICS



OPERATION CHARACTERISTICS



Electronics Department

GENERAL ELECTRIC

Schenectady, N. Y.