



25Z5

Description and Rating

HIGH-VACUUM RECTIFIER DOUBLER

GENERAL DESCRIPTION

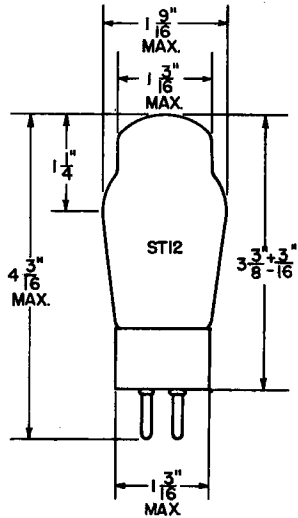
Principal Application: The 25Z5 is a heater-cathode type full-wave high-vacuum rectifier doubler tube designed for use in the power supply of a-c or

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: ST-12 Glass
Base: A6-7 Small 6-Pin Phenolic
Mounting Position: Any

PHYSICAL DIMENSIONS

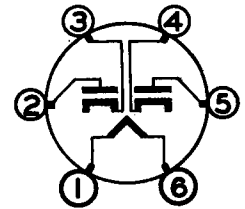


RMA 12-5

TERMINAL CONNECTIONS

- Pin 1 - Heater
- Pin 2 - Plate Number 2
- Pin 3 - Cathode Number 2
- Pin 4 - Cathode Number 1
- Pin 5 - Plate Number 1
- Pin 6 - Heater

BASING DIAGRAM



RMA 6E
BOTTOM VIEW

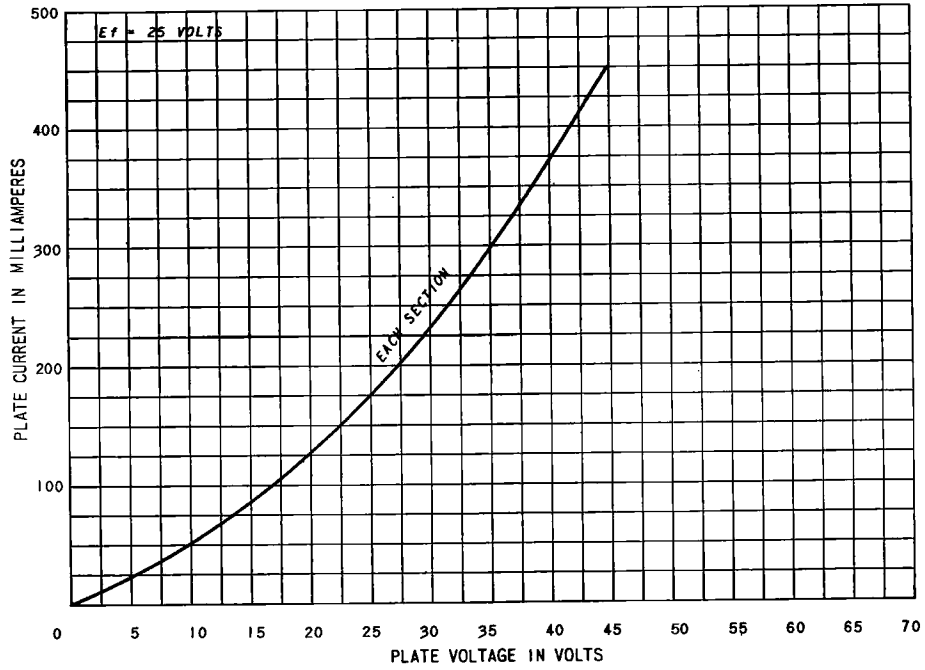
MAXIMUM RATINGS

	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

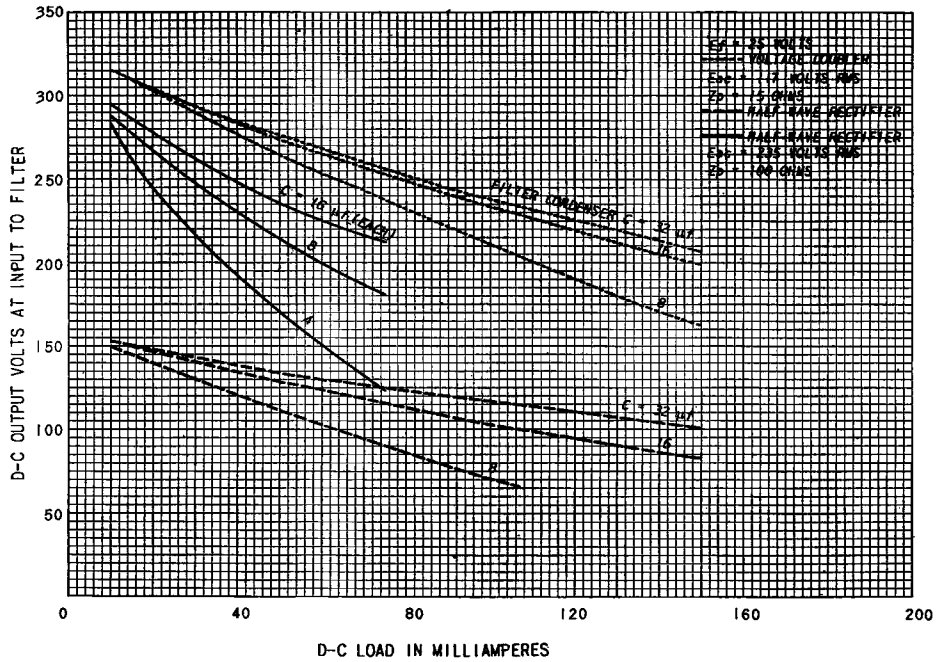
CHARACTERISTICS AND TYPICAL OPERATION

	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
Tube Voltage Drop:						
Measured with Applied D-C at 150 Milliamperes Per Plate			22			Volts

AVERAGE PLATE CHARACTERISTICS



OPERATION CHARACTERISTICS



Electronics Department



Schenectady, N. Y.