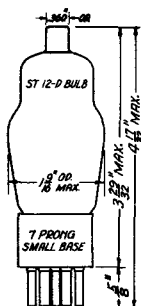


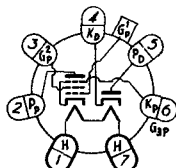
DIODE-PENTODE
RECTIFIER-POWER AMPLIFIER
Heater Type Glass Bulb



The 12A7 is a diode-pentode type tube designed for service as a half wave rectifier and power amplifier in the output stage of a-c - d-c receivers.

RATINGS

Heater Voltage (a-c or d-c)	
Heater Current	
Pentode Section	
Maximum Plate Voltage	
Maximum Screen Voltage	



BOTTOM VIEW OF SOCKET

12.6	volts
0.3	amp
135	volts
135	volts

AMPLIFIER - CLASS A - PENTODE SECTION

Plate Voltage	135	volts
Screen Voltage	135	volts
Grid Bias	-13.5	volts
Amplification Factor	100	
Plate Resistance	0.102	megohm
Transconductance	975	μmhos
Plate Current	9	ma
Screen Current	2.5	ma
Load Resistance	13500	ohms
Power Output	0.55	watts

HALF WAVE RECTIFIER - RECTIFIER SECTION

Maximum A-C Plate Voltage (RMS)	125	volts
Maximum D-C Output Current	30	ma
Average Tube Voltage Drop (At 60 ma. output current)	15	volts

