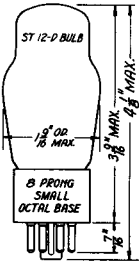


1E7G

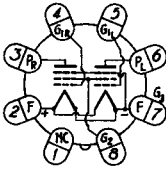
RAYTHEON

1E7G



TWIN PENTODE
POWER AMPLIFIER
Filament Type Glass Bulb

The 1E7G is a twin pentode type amplifier tube designed for service as a push-pull amplifier in the output stage of battery operated receivers.



BOTTOM VIEW OF SOCKET

RATINGS

Filament Voltage	2.0	d-c	volts
Filament Current	0.24		amp
Maximum Plate Voltage	135		volts
Maximum Screen Voltage	135		volts

AMPLIFIER - CLASS A - EACH PENTODE

Plate Voltage	135	volts
Screen Voltage	135	volts
Grid Bias*	-4.5	volts
Amplification Factor	350	
Plate Resistance	0.22	megohm
Transconductance	1600	umhos
Plate Current	7.5	ma
Screen Current	2.1	ma

AMPLIFIER - CLASS A - PUSH-PULL

Plate Voltage	135	volts
Screen Voltage	135	volts
Grid Bias*	-7.5	volts
No-Signal Plate Current (total)	6.5	ma
No-Signal Screen Current (total)	2	ma
Load Resistance	24000	ohms
Total Harmonic Distortion	5	percent
Power Output	0.65	watt

(With signal = 12 volts RMS grid to grid)

*Grid return to negative filament.

