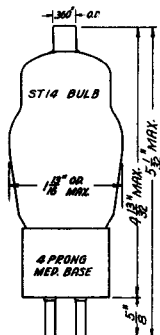
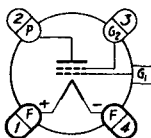


TETRODE
DETECTOR OR AMPLIFIER
Filament Type Glass Bulb



The 32 is a tetrode type amplifier tube designed for service as a detector or amplifier in battery operated receivers.



BOTTOM VIEW OF SOCKET

RATINGS

Filament Voltage	2.0 d-c volts
Filament Current	0.060 amp
Maximum Plate Voltage	180 volts
Maximum Screen Voltage	67.5 volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	0.015 max. * μ mf
Input	5.3 μ mf
Output	10.5 μ mf

AMPLIFIER - CLASS A

Plate Voltage	135	180	volts
Screen Voltage	67.5	67.5	volts
Grid Bias	-3	-3	volts
Amplification Factor	610	780	
Plate Resistance	0.95	1.2	megohm
Transconductance	640	650	μ mhos
Plate Current	1.7	1.7	ma
Screen Current	0.4	0.4 max.	ma

If a grid resistor is used, its value should not exceed 2 megohms.

DETECTOR - BIASED TYPE

Plate Supply Voltage	135	180	volts
Screen Voltage	45	67.5	volts
Grid Bias (approximate)	-4.5	-6	volts
Plate Load	0.1 megohm or equivalent impedance		
Plate Current	Adjusted to 0.2 ma. with no signal		

DETECTOR - GRID LEAK TYPE

Plate Voltage	135	volts
Screen Voltage	Up to 45	volts
Grid	Return to positive filament	
Plate Load	0.1 megohm or equivalent impedance	
Grid Leak Resistance	1 to 5	megohm
Grid Condenser	0.00025	μ f

*With tube shield.

