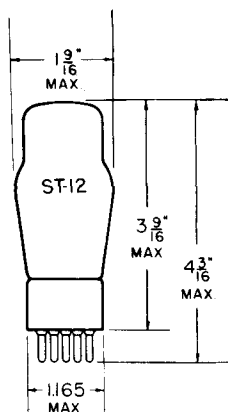


TUNG-SOL

TRIODE DETECTOR AMPLIFIER



GLASS BULB

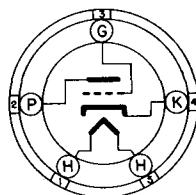
COATED UNIPOTENTIAL CATHODE

HEATER

2.5 VOLTS 1.75 AMPERES

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

SMALL
5 PIN BASE

THE 27 IS A GENERAL PURPOSE TRIODE DESIGNED FOR SERVICE AS AN OSCILLATOR, DETECTOR OR AMPLIFIER.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	2.5	VOLTS
HEATER CURRENT	1.75	AMP.
MAXIMUM PLATE VOLTAGE	275	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS

DIRECT INTERELECTRODE CAPACITANCES

WITH NO EXTERNAL SHIELD

GRID TO PLATE	3.3	μf
INPUT	3.1	μf
OUTPUT	2.3	μf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A AMPLIFIER

PLATE VOLTAGE	90	135	180	250	VOLTS
GRID VOLTAGE	-6	-9	-13.5	-21	VOLTS
PLATE CURRENT	2.7	4.5	5.0	5.2	MA.
PLATE RESISTANCE	11 000	9 000	9 000	9 250	OHMS
TRANSCONDUCTANCE	820	1 000	1 000	975	μMHOS
AMPLIFICATION FACTOR	9	9	9	9	

DETECTOR

BIASED

GRID LEAK

PLATE VOLTAGE	250	275	45	VOLTS
GRID VOLTAGE (APPROX.)	-30	-35	RETURN TO CATHODE	VOLTS
PLATE CURRENT ^A	ADJUSTED TO 0.2 MA. WITH NO INPUT SIGNAL			---
GRID RESISTOR:				
MINIMUM	---	---	1	MEGOHM
MAXIMUM	---	---	5	MEGOHMS
GRID CONDENSER	---	---	250	μf

^A MAXIMUM DC PLATE CURRENT SHOULD BE LIMITED TO 5.0 MA.

→ INDICATES A CHANGE OR ADDITION.

