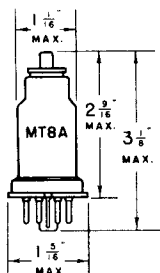


TUNG-SOL



DUO-DIODE PENTODE AMPLIFIER

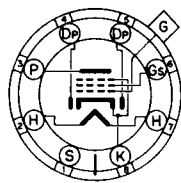
UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.3 AMPERE

AC OR DC

METAL SHELL



8E

BOTTOM VIEW

8 PIN OCTAL BASE

THE TUNG-SOL 6B8 COMBINES TWO DIODES AND A PENTODE UTILIZING A COMMON CATHODE. IT IS DESIGNED FOR SERVICE AS A COMBINED DETECTOR, AVC RECTIFIER AND PENTODE AMPLIFIER.

OPERATING CONDITIONS AND CHARACTERISTICS

PENTODE UNIT AS CLASS A₁ AMPLIFIER

PLATE VOLTAGE	250	335 ^{MAX.}	VOLTS
SCREEN VOLTAGE	125 ^{MAX.}	110	VOLTS
CONTROL GRID VOLTAGE	-3	-3	VOLTS
GRID CIRCUIT RESISTANCE	1	1	MEGOHM
PLATE CURRENT	10	8.5	MA.
SCREEN CURRENT	2.3	1.8	MA.
PLATE RESISTANCE ^{APPROX.}	0.6	0.96	MEGOHM
TRANSCONDUCTANCE	1325	1250	μMHOS
AMPLIFICATION FACTOR ^{APPROX.}	800	1200	
CONTROL GRID VOLTAGE ^{APPROX.}	-21	-19	VOLTS

FOR CATHODE CURRENT CUT-OFF

PENTODE UNIT AS RESISTANCE COUPLED AMPLIFIER

PLATE, SCREEN SUPPLY VOLTAGE	100	100	250	250	VOLTS
PLATE LOAD RESISTOR	0.1	0.5	0.1	0.5	MEGOHM
CATHODE RESISTOR	2000	4800	1000	2800	OHMS
SCREEN RESISTOR	0.6	2.6	0.6	2.5	MEGOHMS
VOLTAGE GAIN	39	65	50	90	

DIRECT INTERELECTRODE CAPACITANCES^S

CONTROL GRID TO CATHODE	6	μuf
PLATE TO CATHODE	9	μuf
CONTROL GRID TO PLATE	.005 ^{MAX.}	μuf

^S WITH SHELL CONNECTED TO CATHODE