TUNG-SOL

DUPLEX DIODE PENTODE

PHYSICAL SPECIFICATIONS

EMITTER UNIPOTENTIAL CATHODE	PIN CONNECTIONS		
BASE SMALL WAFER 8 PIN OCTAL	PIN 1 SHELL	PIN 7 HEATER	
CAP MINIATURE	PIN 2 HEATER	PIN 8 CATHODE AND GRID #3	
BULB METAL SHELL, MT-8	PIN 3 PLATE		
MAXIMUM DIAMETER 1 5/16"	PIN 4 DIODE PL. #2		
MAXIMUM OVERALL LENGTH 3 1/8"	PIN 5 DIODE PL. #1	TOP CAP GRID #1	
MAXIMUM SEATED HEIGHT 2 9/16"	PIN 6 GRID #2		

RATINGS

HEATER OR FILAMENT VOLTAGE (AC OR DC)	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.150	AMPS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM SCREEN VOLTAGE	125	VOLTS
MAXIMUM PLATE DISSIPATION	2.25	WATTS
MAXIMUM SCREEN DISSIPATION	0.3	WATTS
MINIMUM EXTERNAL GRID (#1) BIAS VOLTAGE	0	VOLTS
MINIMUM DIODE CURRENT PER PLATE WITH 10 VOLTS DC APPLIED	0.8	MA.

CAPACITANCES [A]

CONTROL GRID TO CATHODE	6	μμf
PLATE TO CATHODE	9	μμf
GRID TO PLATE	0.005 MAX.	μμf

[A] WITH SHELL CONNECTED TO CATHODE.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

HEATER OR FILAMENT VOLTAGE (AC OR DC)	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.150	AMP.
PLATE VOLTAGE	250	VOLTS
SCREEN VOLTAGE	125	VOLTS
CONTROL GRID VOLTAGE	-3	VOLTS
PEAK AF SIGNAL VOLTAGE		VOLTS
ZERO-SIGNAL PLATE CURRENT	10	MA.
ZERO-SIGNAL SCREEN CURRENT	2.3	MA.
MAXIMUM-SIGNAL PLATE CURRENT		MA.
MAXIMUM-SIGNAL SCREEN CURRENT		MA.
PLATE RESISTANCE (APPROX.)	0.6	MEGOHMS
TRANSCONDUCTANCE	1325	μMHOS
AMPLIFICATION FACTOR		
LOAD RESISTANCE		OHMS
TOTAL HARMONIC DISTORTION		PER CENT
POWER OUTPUT		WATTS
CONTROL GRID VOLTAGE FOR CATHODE CURRENT CUT-OFF (APPROX.)	-21	VOLTS

PLATE 1330-2
SEPT. 23 1943