TUNG-SOL

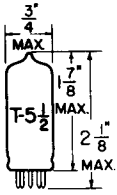
PENTODE

MINIATURE TYPE

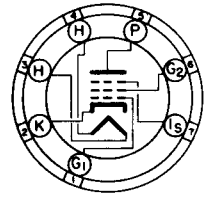
COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 0.3 AMP.
AC OR DC

ANY MOUNTING POSITION



GLASS BULB



BOTTOM VIEW
MINIATURE BUTTON
7 PIN BASE
7CM

THE 6DC6 IS A SEMI-REMOTE CUTOFF PENTODE USING THE 7 PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE PARTICULARLY IN THE GAIN CONTROLLED PICTURE IF STAGES OF COLOR TELEVISION RECEIVERS. IT IS ALSO USEFUL AS A RADIO-FREQUENCY AMPLIFIER IN THE TUNERS OF SUCH RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES

WITH NO EXTERNAL SHIELD

GRID #1 TO PLATE (MAX.)	0.02	μμf
INPUT	6.5	μμf
OUTPUT	2	μμf

RATINGS

INTERPRETED ACCORDING TO RETMA STANDARD M8-210

CLASS A_1 AMPLIFIER – DESIGN CENTER VALUES

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM GRID #3 VOLTAGE	0	VOLTS
MAXIMUM GRID #2 SUPPLY VOLTAGE	300	VOLTS
MAXIMUM GRID #2 VOLTAGE	SEE CURVE #1	
MAXIMUM GRID #1 VOLTAGE:		
POSITIVE BIAS VALUE	0	VOLTS
MAXIMUM PLATE DISSIPATION	2	WATTS
MAXIMUM GRID #2 INPUT	0.5	WATT
MAXIMUM PEAK HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE[A]	200	VOLTS
MAXIMUM GRID #1 CIRCUIT RESISTANCE:		
FIXED BIAS OPERATION	0.25	MEGOHM
CATHODE BIAS OPERATION	1.0	MEGOHM

[A] THE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.3	AMP.
PLATE VOLTAGE	200	VOLTS
GRID #3	CONNECTED TO CATHODE AT SOCKET	
GRID #2 VOLTAGE	150	VOLTS
CATHODE BIAS RESISTOR	180	OHMS
PLATE RESISTANCE (APPROX.)	0.5	MEGOHM
TRANSCONDUCTANCE	5 500	μMHOS
GRID #1 BIAS (APPROX.) FOR TRANSCONDUCTANCE OF 50 μMHOS	-12.5	VOLTS
PLATE CURRENT	9	MA.
GRID #2 CURRENT	3	MA.