

TUNG-SOL

PENTODE

MINIATURE TYPE

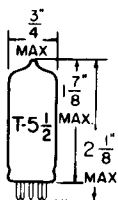
COATED UNIPOTENTIAL CATHODE

HEATER

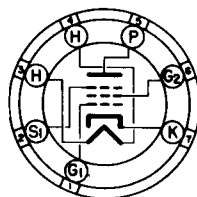
12.6 VOLTS 0.15AMP.

AC OR DC

ANY MOUNTING POSITION



GLASS BULB



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

78K

THE 12BD6 IS A MINIATURE REMOTE-CUTOFF PENTODE DESIGNED FOR USE AS A RADIO-FREQUENCY OR INTERMEDIATE-FREQUENCY AMPLIFIER.

DIRECT INTERELECTRODE CAPACITANCES

	WITH SHIELD	WITHOUT SHIELD	
GRID TO PLATE (MAX.)	0.005	0.004	$\mu\mu\text{f}$
INPUT	4.3	4.3	$\mu\mu\text{f}$
OUTPUT	5.0	5.0	$\mu\mu\text{f}$

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

DESIGN CENTER VALUES

HEATER VOLTAGE	12.6	VOLTS
MAXIMUM PEAK HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE	90	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM GRID #2 VOLTAGE	125	VOLTS
MAXIMUM PLATE DISSIPATION	3.0	WATTS
MAXIMUM GRID #2 DISSIPATION	0.4	WATT
MAXIMUM CATHODE CURRENT	14	MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

HEATER VOLTAGE	12.6	12.6	12.6	VOLTS
HEATER CURRENT	0.15	0.15	0.15	AMP.
PLATE VOLTAGE	100	125	250	VOLTS
GRID #3 VOLTAGE		CONNECTED TO CATHODE		AT SOCKET
GRID #2 VOLTAGE	100	125	100	VOLTS
GRID #1 VOLTAGE	-1	-3	-3	VOLTS
PLATE CURRENT	13	13	9	MA.
GRID #2 CURRENT	5	5	3.0	MA.
PLATE RESISTANCE	0.15	0.18	0.8	MEGOHM
TRANSCONDUCTANCE	2 550	2 350	2 000	μMHOS
GRID VOLTAGE (APPROX.)				
FOR $G_m = 10 \mu\text{MHOS}$	-35	-45	-35	VOLTS

→ INDICATES A CHANGE.

* INDICATES AN ADDITION.

