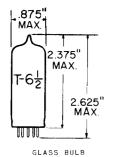
# TUNG-SOL -

### DIODE-REMOTE-CUTOFF PENTODE

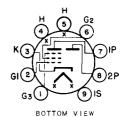
MINIATURE TYPE



SMALL BUTTON
9 PIN NOVAL E9-1
OUTLINE ORAWING
JEDEC 6-3

FOR AM AND AM/FM
BROADCAST RECEIVERS

ANY MOUNTING POSITION



BASING DIAGRAM JEDEC 9LQ

THE 6EO7 IS A DIODE AND A REMOTE—CUTOFF PENTODE WITH A COMMON CATHODE OF THE 9 PIN MINIATURE TYPE ESPECIALLY DESIGNED FOR USE AS COMBINED IF—AMPLIFIER AND AM—DETECTOR TUBES IN AM AND AM/FM BROADCAST RECEIVERS. THE PENTODE UNIT MAY ALSO BE USED AS AN RF OR IF—AMPLIFIER TUBE; THE DIODE UNIT MAY BE USED FOR AUTOMATIC VOLUME CONTROL OR DETECTION.

# DIRECT INTERELECTRODE CAPACITANCES WITHOUT EXTERNAL SHIELD

GRID #4 TO PLATE (MAX.)	.002	рf
GRID #1 TO FLATE (MAX.)	.002	Pι
GRID #1 TO K, H, G2, G3, & I.S.	5.5	рf
PLATE TO K, H, G2, G3, & I.S.	5.0	рf
GRID #1 TO DIODE PLATE (MAX.)	0.0015	рf
PENTODE PLATE TO DIODE PLATE	.095	рf

#### HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS 6.3 VOLTS	300	MA.
HEATER SUPPLY LIMITS: VOLTAGE OPERATION	6.3±0.6	VOLTS
MAXIMUM PEAK HEATER CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	200 <sup>A</sup>	VOLTS

ATHE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

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# -- TUNG-SOL ----

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# MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

CLASS A1 AMPLIFIER-PENTODE UNIT

PLATE VOLTAGE GRID #3 VOLTAGE:	300	VOLTS			
POSITIVE VALUE NEGATIVE VALUE	300	VOLTS			
GRID #2 SUPPLY VOLTAGE	300	VOLTS			
CD 10 #2 WOLT 105	300	VOLT5			
GRID #2 VOLTAGE SEE RATING	CHART				
GRID #1 VOLTAGE:					
POSITIVE BIAS VALUE	0	VOLTS			
NEGATIVE BIAS VALUE	50	VOLTS			
PLATE DISSIPATION	3	WATTS			
GRID #3 INPUT	0.2	WATT			
GRID #2 INPUT:					
FOR GRID #2 VOLTAGES UP TO 150 VOLTS	0.6	WATT			
FOR GRID #2 VOLTAGES BETWEEN					
150 & 300 VOLTS SEE RATING	CHART				
BULB TEMPERATURE (AT HOTTEST POINT ON BULB SURFACE)	150	°c			
, , , , , , , , , , , , , , , , , , , ,	1,00	Ü			
DIODE UNIT					
PLATE CURRENT	1.0	MA.			

# TYPICAL OPERATING CHARACTERISTICS

CLASS A1 AMPLIFIER

# PENTODE UNIT

PLATE VOLTAGE					100	VOLTS
GRID #3	CONNECT	Τ0	CATHODE	ΑT	SOCKET	
INTERNAL SHIELD	CONNECT	ΤO	CATHODE	ΑТ	SOCKET	
GRID #2 VOLTAGE					100	VOLTS
GRID #1 SUPPLY VOLTAGE					0	VOLT
GRID <b>#1</b> RESISTOR (BYPASSED)					2.2	MEGOHMS
TRANSCONDUCTANCE					3800	$\mu$ MHOS
PLATE RESISTANCE (APPROX.)					0.25	MEGOHM
PLATE CURRENT					9	MA.
GRID #2 CURRENT					3.5	MA.
GRID #1 VOLTAGE (APPROX.) FOR						
TRANSCONDUCTANCE OF 40 µMHOS					-20	VOLTS

#### DIODE UNIT - AVERAGE CHARACTERISTICS

PLATE	VOLTAGE	10	VOLTS
PLATE	CURRENT	2	MA.