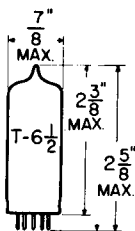


TUNG-SOL

TWIN TRIODE

MINIATURE TYPE



GLASS BULB

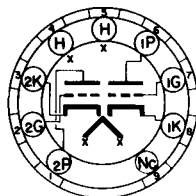
UNIPOTENTIAL CATHODE

HEATER

 $6.3 \pm 10\%$ VOLTS 0.6 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

SMALL-BUTTON NOVAL
9 PIN BASE
9LP

THE 6EV7 IS A HIGH-MU TWIN TRIODE DESIGNED FOR USE AS A RELAY-CONTROL TUBE IN REMOTE-CONTROL TUNING UNITS OF TELEVISION RECEIVERS. IT IS PROCESSED SPECIFICALLY FOR OPERATION UNDER STANDBY CONDITIONS.

DIRECT INTERELECTRODE CAPACITANCES

(APPROX.)

WITHOUT EXTERNAL SHIELD

	UNIT #1	UNIT #2	
GRID TO PLATE	3.4	3.4	$\mu\mu\text{f}$
GRID TO CATHODE AND HEATER	3	3	$\mu\mu\text{f}$
PLATE TO CATHODE AND HEATER	0.33	0.33	$\mu\mu\text{f}$

RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

RELAY-CONTROL SERVICE

VALUES ARE FOR EACH UNIT

HEATER VOLTAGE	$6.3 \pm 10\%$	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM GRID VOLTAGE. POSITIVE BIAS VALUE	0	VOLTS
MAXIMUM CATHODE CURRENT	20	MA.
MAXIMUM PLATE DISSIPATION		
WHEN THE "ON" TIME EXCEEDS 30 SECONDS IN ANY 2-MINUTE INTERVAL	2.5	WATTS
WHEN THE "ON" TIME DOES NOT EXCEED 30 SECONDS IN ANY 2-MINUTE INTERVAL	4.5	WATTS
MAXIMUM PEAK HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	200 ^A	VOLTS
MAXIMUM CIRCUIT VALUES:		
GRID-CIRCUIT RESISTANCE	3.9	MEGOHMS

^ATHE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATION

WITH 2500-OHM RELAY LOAD - EACH UNIT

RELAY-CONTROL SERVICE

VALUES ARE FOR EACH UNIT

	"ON" TIME MORE THAN 30sec. IN ANY 2 MIN. INTERVAL	"ON" TIME UP TO 30sec. IN ANY 2 MIN. INTERVAL	
PLATE SUPPLY VOLTAGE	150	250	VOLTS
ZERO-BIAS PLATE CURRENT	10	18.5	MA.
GRID VOLTAGE (APPROX.) FOR PLATE CURRENT OF 100 μ A.	-5	-9	VOLTS

CHARACTERISTICSCLASS A₁ AMPLIFIER - EACH UNIT

HEATER VOLTAGE	6.3 $\pm$ 10%	VOLTS
HEATER CURRENT	0.6	AMP.
PLATE VOLTAGE	250	VOLTS
GRID VOLTAGE	-2	VOLTS
AMPLIFICATION FACTOR	60	
PLATE RESISTANCE (APPROX.)	11 500	OHMS
TRANSCONDUCTANCE	5 200	μ MHOS
PLATE CURRENT	9.2	MA.
GRID VOLTAGE (APPROX.) FOR PLATE CURRENT OF 100 μ A.	-9	VOLTS

