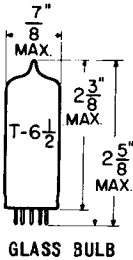
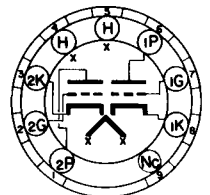


**TUNG-SOL**

**TWIN TRIODE**  
MINIATURE TYPE



UNIPOTENTIAL CATHODE  
  
HEATER  
6.3±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	μμf
GRID TO CATHODE AND HEATER	3	3	μμf
PLATE TO CATHODE AND HEATER	0.33	0.33	μμf

**RATINGS**

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

**RELAY-CONTROL SERVICE**

VALUES ARE FOR EACH UNIT

HEATER VOLTAGE	6.3±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 <sup>A</sup>	VOLTS
MAXIMUM CIRCUIT VALUES:		
GRID-CIRCUIT RESISTANCE	3.9	MEG OHMS

<sup>A</sup>THE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

CONTINUED ON FOLLOWING PAGE

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**TUNG-SOL**

CONTINUED FROM PRECEDING PAGE

**TYPICAL OPERATION**

WITH 2500-OHM RELAY LOAD - EACH UNIT

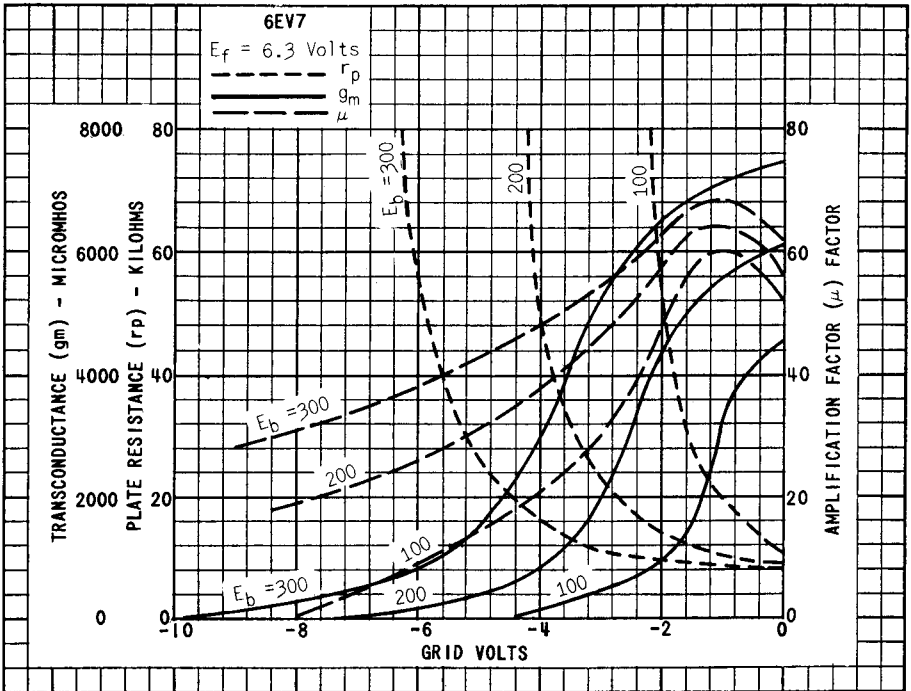
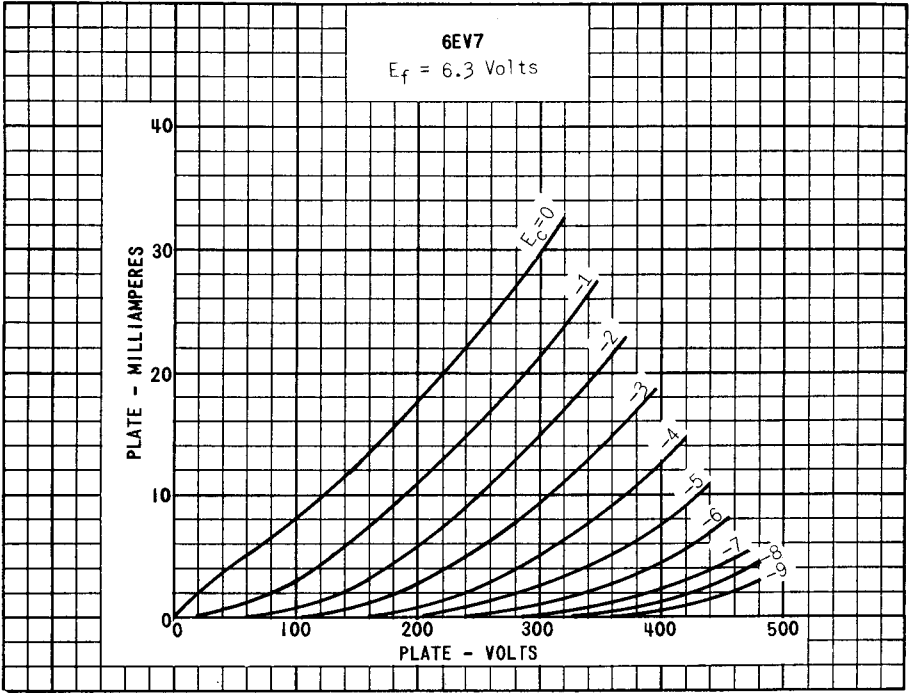
**RELAY-CONTROL SERVICE**

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 $\mu$ A.	-5	-9	VOLTS

**CHARACTERISTICS**CLASS A<sub>1</sub> AMPLIFIER - EACH UNIT

HEATER VOLTAGE	6.3±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	$\mu$ MHOS
PLATE CURRENT	9.2	MA.
GRID VOLTAGE (APPROX.) FOR PLATE CURRENT OF 100 $\mu$ A.	-9	VOLTS



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