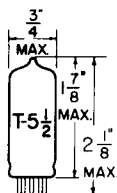


**TUNG-SOL**

**PENTODE**

MINIATURE TYPE



**GLASS BULB**

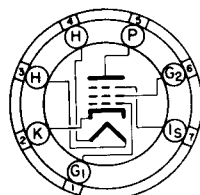
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.3 AMP.

AC OR DC

ANY MOUNTING POSITION



**BOTTOM VIEW**

MINIATURE BUTTON  
7 PIN BASE

7CM

THE 6BZ6 IS A HIGH TRANSCONDUCTANCE, SEMI-REMOTE CUT-OFF, PENIODE AMPLIFIER. IT IS DESIGNED FOR SERVICE AS AN AUTOMATIC GAIN CONTROLLED IF AMPLIFIER IN 300 MA. SERIES HEATER OPERATED TELEVISION RECEIVERS. THERMAL CHARACTERISTICS OF THE HEATER ARE CONTROLLED SUCH THAT HEATER VOLTAGE SURGES DURING THE WARM-UP CYCLE ARE MINIMIZED PROVIDED IT IS USED WITH OTHER TYPES WHICH ARE SIMILARLY CONTROLLED. WITH THE EXCEPTION OF HEATER RATINGS, ITS CHARACTERISTICS ARE IDENTICAL TO THE 3BZ6.

**DIRECT INTERELECTRODE CAPACITANCES ←**

	WITH SHIELD <sup>A</sup>	WITHOUT SHIELD	
GRID TO PLATE: G <sub>1</sub> TO P (MAX.)	.015	.025	μf
INPUT: G <sub>1</sub> TO (H+K+G <sub>2</sub> +G <sub>3</sub> +IS)	7.0	7.0	μf
OUTPUT: P TO (H+K+G <sub>2</sub> +G <sub>3</sub> +IS)	3.0	2.0	μf

<sup>A</sup>EXTERNAL SHIELD #316 CONNECTED TO CATHODE AT SOCKET.

**RATINGS<sup>B</sup>**

INTERPRETED ACCORDING TO DESIGN CENTER VALUES

HEATER VOLTAGE	6.3±10% ←	VOLTS
MAXIMUM HEATER CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE		
TOTAL DC AND PEAK	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE		
DC	100	VOLTS
TOTAL DC AND PEAK	200	VOLTS
MAXIMUM PLATE VOLTAGE	330 ←	VOLTS
MAXIMUM GRID #2 VOLTAGE	SEE RATING CURVE	
MAXIMUM PLATE DISSIPATION	2.3 ←	WATTS
MAXIMUM GRID #2 DISSIPATION	0.55 ←	WATT
MAXIMUM GRID #2 SUPPLY VOLTAGE	330 ←	VOLTS
MAXIMUM POSITIVE DC GRID #1 VOLTAGE*	0	VOLTS
		MEGOHM

<sup>B</sup> DESIGN MAXIMUM RATINGS ARE THE LIMITING VALUES EXPRESSED WITH RESPECT TO BOGIE TUBES AT WHICH SATISFACTORY TUBE LIFE CAN BE EXPECTED TO OCCUR IN THE TYPES OF SERVICE FOR WHICH THE TUBE IS RATED. THEREFORE, THE EQUIPMENT DESIGNER MUST ESTABLISH THE CIRCUIT DESIGN SO THAT INITIALLY AND THROUGHOUT EQUIPMENT LIFE NO DESIGN MAXIMUM VALUE IS EXCEEDED WITH A BOGIE TUBE UNDER THE WORST PROBABLE OPERATING CONDITIONS WITH RESPECT TO SUPPLY-VOLTAGE VARIATION, EQUIPMENT COMPONENT VARIATION, EQUIPMENT CONTROL ADJUSTMENT, LOAD VARIATION, AND ENVIRONMENTAL CONDITIONS.

CONTINUED ON FOLLOWING PAGE

→ INDICATES A CHANGE.

\* INDICATES AN ADDITION.

**TUNG-SOL**

**PENTODE**

MINIATURE TYPE

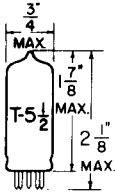
COATED UNIPOTENTIAL CATHODE

HEATER

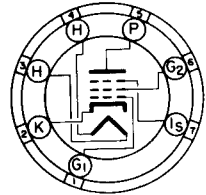
6.3 VOLTS 0.3 AMP.

AC OR DC

ANY MOUNTING POSITION



GLASS BULB



**BOTTOM VIEW**

MINIATURE BUTTON  
7 PIN BASE

7CM

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<sup>A</sup>EXTERNAL SHIELD #316 CONNECTED TO CATHODE AT SOCKET.

**RATINGS<sup>B</sup>**

INTERPRETED ACCORDING TO DESIGN CENTER VALUES

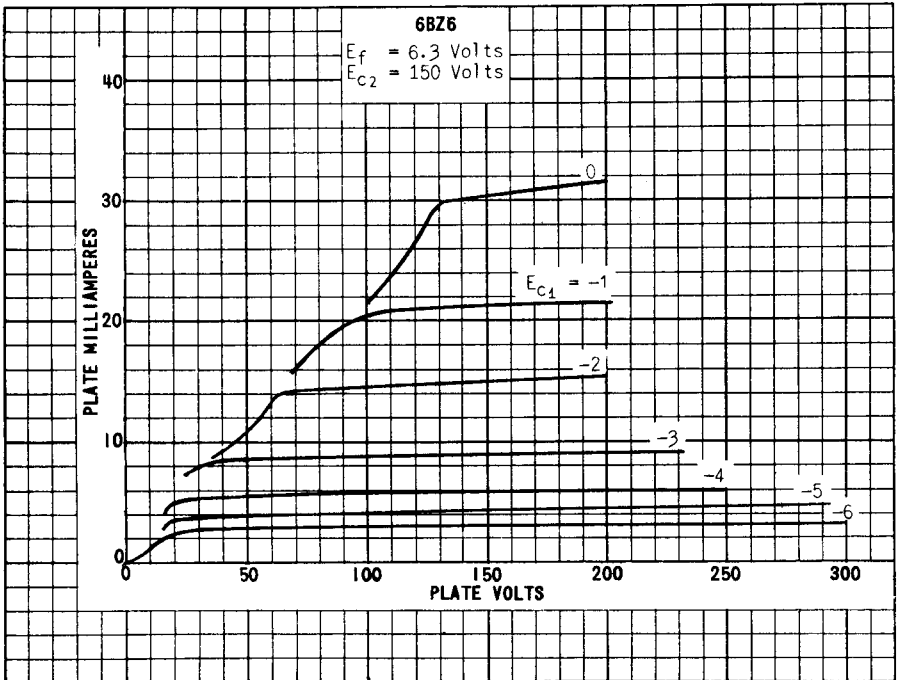
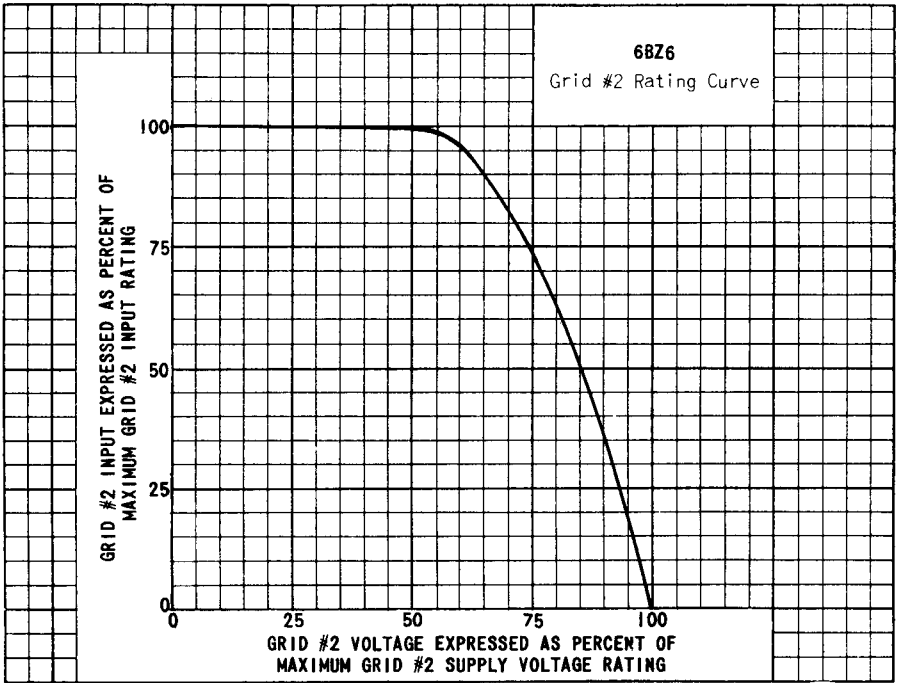
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MAXIMUM HEATER CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE		
TOTAL DC AND PEAK	200	VOLTS
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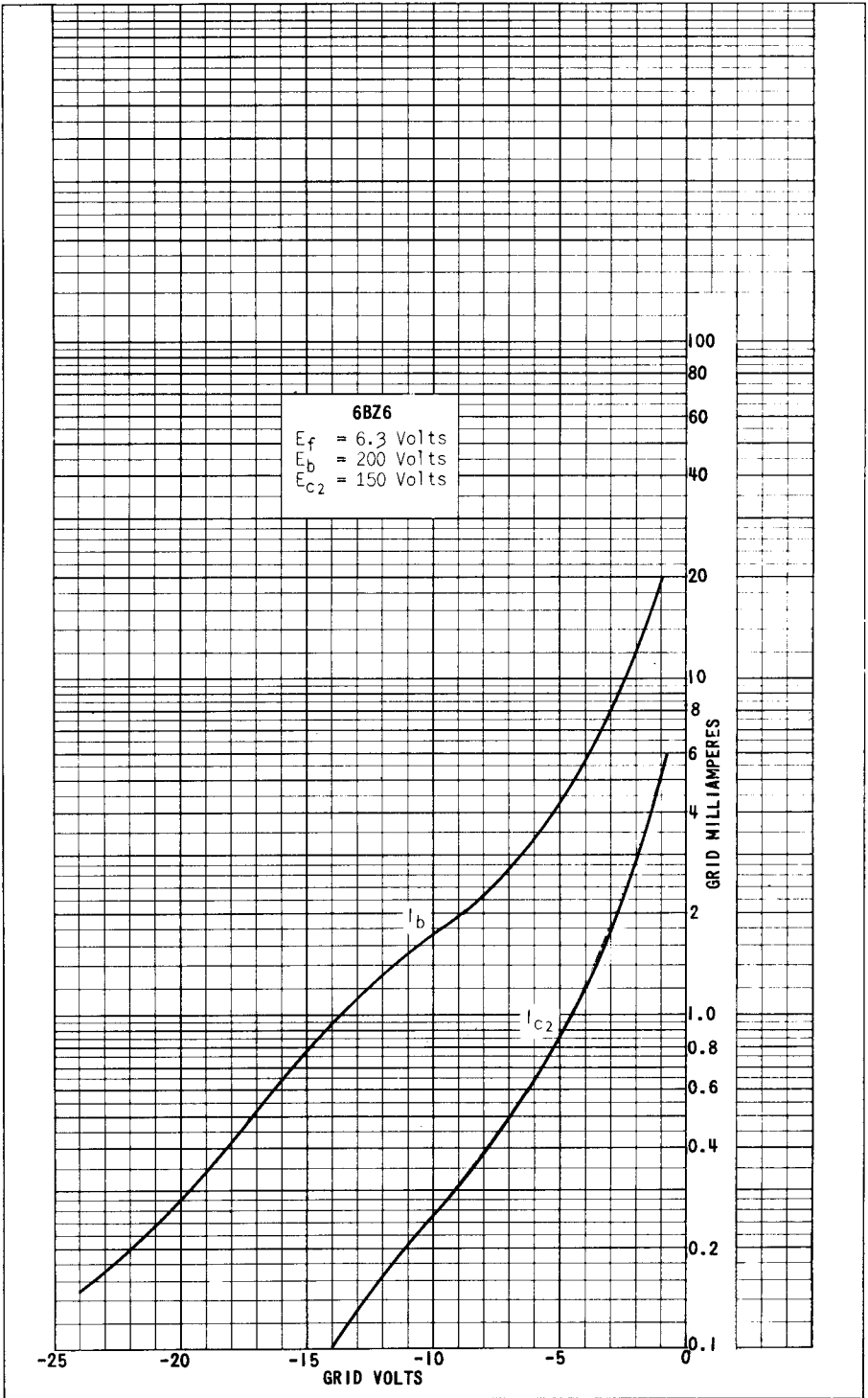
→ INDICATES A CHANGE.

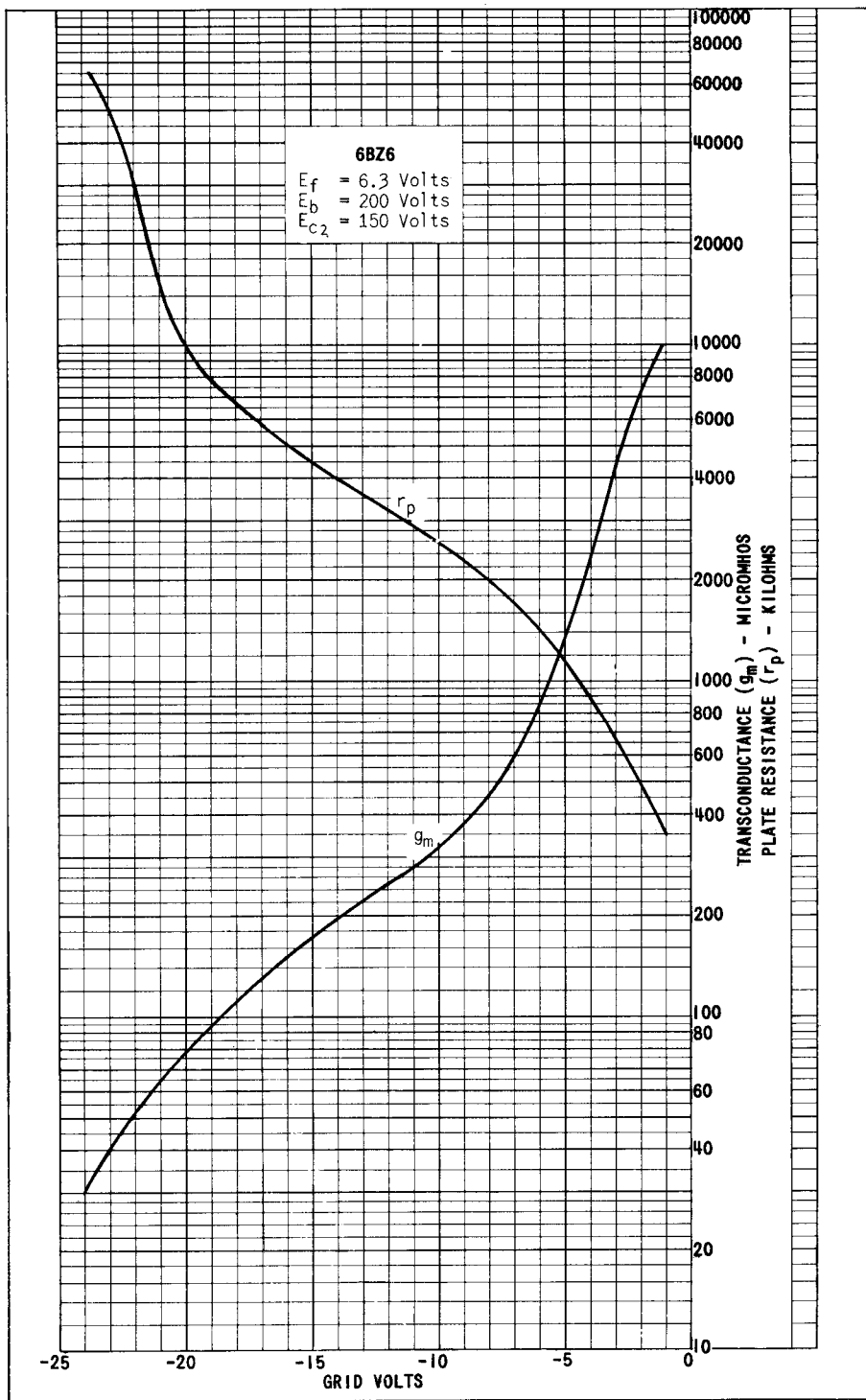
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# 6BZ6





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