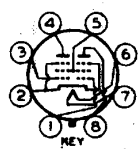




12L8-GT

12L8-GT

TWIN-PENTODE POWER AMPLIFIER

Heater	Coated Unipotential Cathode		
Voltage	12.6	a-c or d-c volts	
Current	0.15	amp.	
Direct Interelectrode Capacitances (Approx.): ^o			
	<u>Pentode Unit P₁</u>	<u>Pentode Unit P₂</u>	
Grid to Plate	0.7	0.7	μf
Input	5.0	5.0	μf
Output	6.0	6.0	μf
Grid to Grid		0.08	μf
Plate to Plate		1.5	μf
Grid P ₁ to Plate P ₂		0.2	μf
Grid P ₂ to Plate P ₁		0.1	μf
Maximum Overall Length			3-5/16"
Maximum Seated Height			2-3/4"
Maximum Diameter			1-5/16"
Bulb			T-9
Base	Intermediate Shell Octal 8-Pin		
Pin 1-Grid P ₁		Pin 4-Plate P ₂	
Pin 2- { Cathode, Suppres- sor P ₁ & P ₂ }		Pin 5-Screen P ₁ & P ₂	
Pin 3-Grid P ₂		Pin 6-Heater	
		Pin 7-Heater	
		Pin 8-Plate P ₁	
Mounting Position	BOTTOM VIEW (8BU)	Any	

For convenience, one pentode unit is identified as P₁; the other as P₂.
Maximum Ratings Are Design-Center Values

AMPLIFIER - Each Unit

Plate Voltage	180 max.	volts
Screen Voltage	180 max.	volts
Plate Dissipation	2.5 max.	watts
Screen Dissipation	1.0 max.	watt
D-C Heater-Cathode Potential	100 max.	volts
<i>Typical Operation and Characteristics - Class A₁ Amplifier:</i>		
Plate Voltage	180	volts
Screen Voltage	180	volts
Grid Voltage (Grid No.1)	-9	volts
Peak A-F Grid Voltage	9	volts
Zero-Sig. Plate Cur.	13	ma.
Max.-Sig. Plate Cur.	13.5	ma.
Zero-Sig. Screen Cur.	2.8	ma.
Max.-Sig. Screen Cur.	4.6	ma.
Plate Resistance	0.16	megohm
Transconductance	2150	μmhos
Load Resistance	10000	ohms
Power Output (Total harmonic dist. 10%)	1.0	watt

^o with no external shield.

OCT. 1, 1943

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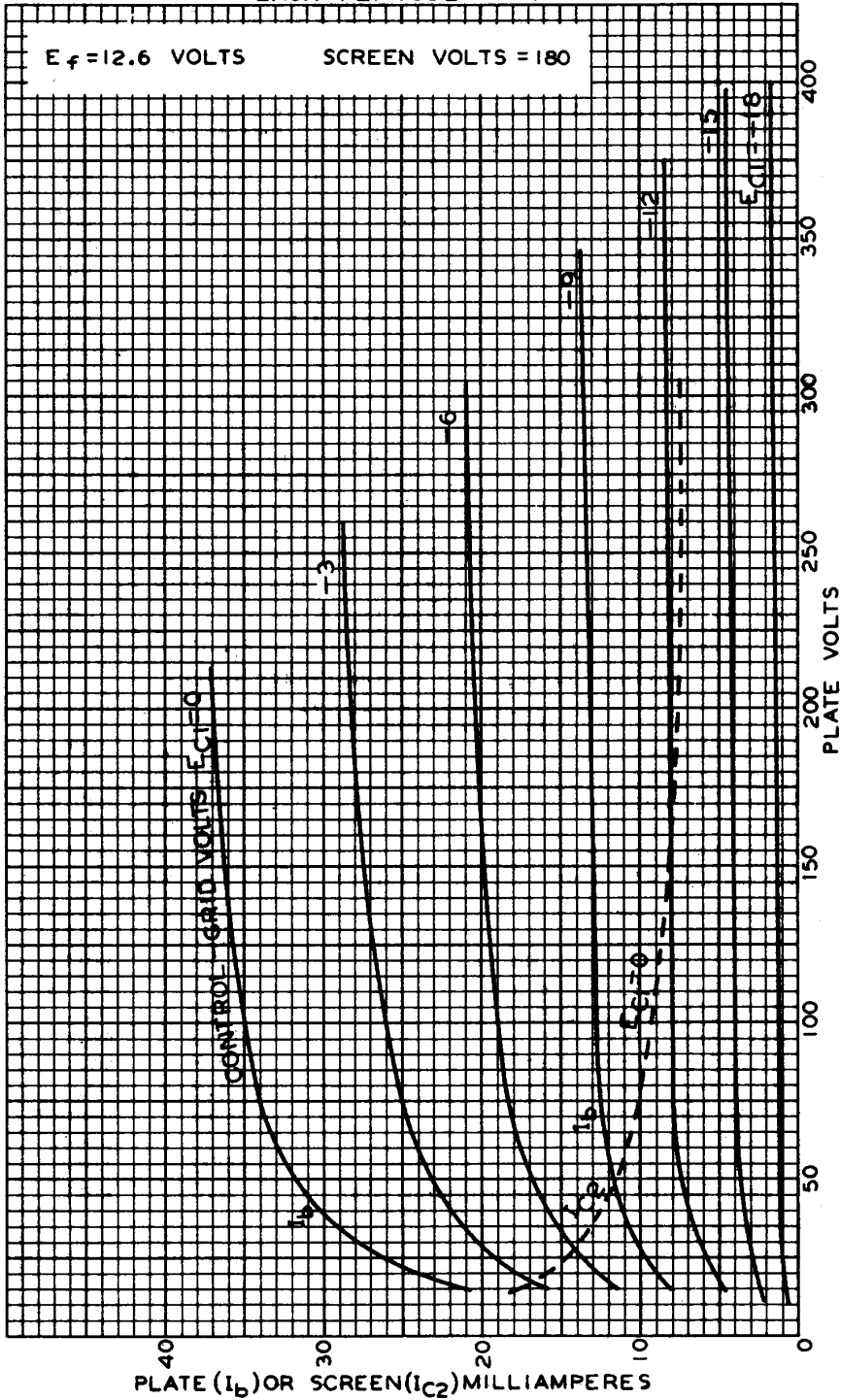
DATA

12L8-GT



12L8-GT

AVERAGE PLATE CHARACTERISTICS EACH PENTODE UNIT



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92C-6391