

NATIONAL UNION  
 TYPE 12K7G  
 PENTODE VOLTAGE AMPLIFIER  
 REMOTE CUT-OFF  
 Indirectly-heated Cathode  
 CLASS A AMPLIFIER

Operating Conditions and Characteristics:

Heater Voltage.....	12.5	volts
Heater Current.....	0.150	amp.
Plate Voltage.....	250	250 max. volts
Screen Voltage.....	100	125 max. volts
Suppressor Voltage.....	0	0 volts
Grid Voltage.....	-3	-3 volts
Plate Current.....	7	10.5 ma.
Screen Current.....	1.7	2.6 ma.
Mutual Conductance.....	1450	1650 umhos
Amplification Factor.....	1160	990
Plate Resistance.....	0.8	0.6 megohm
Grid Bias for Mutual Con- ductance = 2 umhos.....	-42.5	-52.5 volts

CAPACITANCES:\*

Grid-to-Plate.....	0.007	uf. max.
Input .....	5.0	uf.
Output .....	12.0	uf.

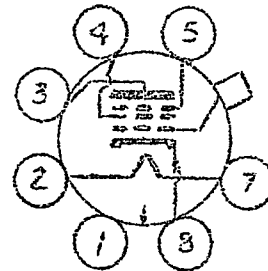
\*Form-fitting shield

MECHANICAL DATA:

Max. Overall Length.....	4-15/32"
Max. Seated Height.....	3-29/32"
Max. Diameter.....	1-9/16"
Bulb .....	ST-12
Base .....	Small Octal 7-Pin
Cap .....	Miniature

BASING:

- Pin No. 1 - No Connection
- Pin No. 2 - Heater
- Pin No. 3 - Plate
- Pin No. 4 - Screen
- Pin No. 5 - Suppressor
- Pin No. 7 - Heater
- Pin No. 8 - Cathode & Internal Shield
- Cap - Grid



7R  
 BASE-Bottom View