

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 uuf. max.
Input	5.0 uuf.
Output	12.0 uuf.

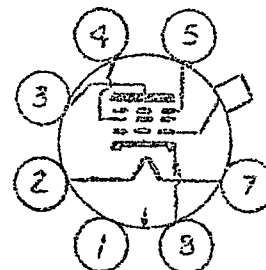
*Form-fitting shield

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