

NATIONAL UNION
TYPE 12A8G
FREQUENCY CONVERTER
Indirectly-Heated Cathode

Heater Voltage.....	12.5 volts
Heater Current.....	0.150 amp.
Plate Voltage.....	250 max. volts
Screen Voltage G3 and G5.....	100 max. volts
Control-Grid Voltage (G4).....	-5 volts
Anode-Grid Supply Voltage (G2).....	250 max. volts
Anode-Grid Series Resistor.....	20,000 ohms
Oscillator Grid Resistor.....	50,000 ohms
Plate Current.....	3.5 ma.
Screen Current.....	2.7 ma.
Anode-Grid Current.....	4 ma.
Oscillator-Grid Current (min. recommended).....	0.3 ma.
Conversion Conductance.....	500 umhos
Plate Resistance.....	0.36 meg.
Grid Voltage for Conversion Conductance =	
6 umhos.....	-35 volts

CAPACITANCES*

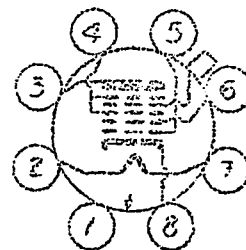
Grid 4 to Plate.....	.25 uuf.
Grid 4 to Grid 3.....	.19 uuf.
Grid 4 to Grid 1.....	.16 uuf.
Grid 1 to Grid 2.....	1.1 uuf.
RF Input.....	9.5 uuf.
Oscillator Output (Except G1).....	4.6 uuf.
Oscillator Input (Except G2).....	6.0 uuf.
Converter Output.....	12.0 uuf.

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 8-Pin
Cap.....	Miniature

BASING:

- Pin No. 1 - No Connection
- Pin No. 2 - Heater
- Pin No. 3 - Plate
- Pin No. 4 - Screen
- Pin No. 5 - Oscillator Grid
- Pin No. 6 - Anode-Grid
- Pin No. 7 - Heater
- Pin No. 8 - Cathode
- Cap - Grid



*Form-fitting Shield