

**N.U. 6320****RELIABLE SUBMINIATURE HIGH-MU TWIN TRIODE****APPLICATION**

The NU-6320 is a T-3 subminiature high-mu twin triode with a heater power consumption of approximately 1/4 of a watt per section. It was designed for reliable applications where long life and stable performance is required. The characteristics of the tube are similar to those of the 6SL7.

**MAXIMUM RATINGS**

|                                    |           |
|------------------------------------|-----------|
| Heater voltage (ac or dc) $\pm$ 5% | 6.3 volts |
| Heater cathode voltage             | 100 volts |
| Plate voltage                      | 150 volts |
| Plate dissipation (per section)    | 0.6 watts |
| Cathode current (per section)      | 7.0 ma    |
| Impact                             | 500 G     |
| Vibration output                   | 40 mv     |
| Ambient temperature                | 200° C    |

**INTERELECTRODE CAPACITANCES**

|               |          |
|---------------|----------|
|               | Shielded |
| Grid to plate | 0.60 mmf |
| Input         | 1.00 mmf |
| Output        | 1.40 mmf |

**TYPICAL CONDITION OF OPERATION**

|                                   |                 |
|-----------------------------------|-----------------|
| Heater voltage                    | 6.3 volts       |
| Heater current                    | 85 ma           |
| Plate voltage (single section)    | 100 volts       |
| Cathode resistor (single section) | 680 ohms        |
| Amplification factor              | 60              |
| Transconductance                  | 1800 $\mu$ mhos |

- Measured across 2000 ohm load resistor when vibrated at 25 cps at 0.080" excursion.

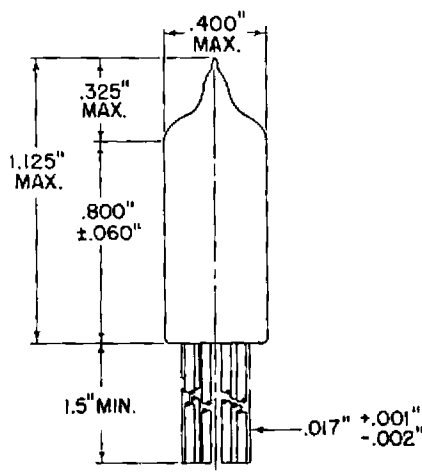
**PHYSICAL SPECIFICATIONS**

|                   |                |
|-------------------|----------------|
| Style             | Subminiature   |
| Bulb              | T-3            |
| Base              | Submin. Button |
| Mounting position | Any            |
| Leads             | Flexible       |

**BASE PIN CONNECTIONS**

|       |                |
|-------|----------------|
| Pin 1 | P <sub>2</sub> |
| Pin 2 | G <sub>2</sub> |
| Pin 3 | H              |
| Pin 4 | K <sub>2</sub> |
| Pin 5 | K <sub>1</sub> |
| Pin 6 | H              |
| Pin 7 | G <sub>1</sub> |
| Pin 8 | P <sub>1</sub> |

RMA Basing 8 DG



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