N.U. ENGINEERING BULLETIN

ELECTRONIC COMPONENTS

N.U. 6321

RELIABLE SUBMINIATURE LOW-MU TWIN TRIODE

APPLICATION

The NU-6321 is a T-3 subminiature low-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 6SN7.

MAXIMUM RATINGS

Heater voltage (ac or dc) ± 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	0.55 mmf
Input	1.00 mmf
Output	1.40 mmf

TYPICAL CONDITION OF OPERATION

Heater voltage	6.3 volts
Heater current	85 ma
Plate voltage	100 volts
Cathode resistor	680 ohms
Amplification factor	16
Transconductance	1700 μmhos

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

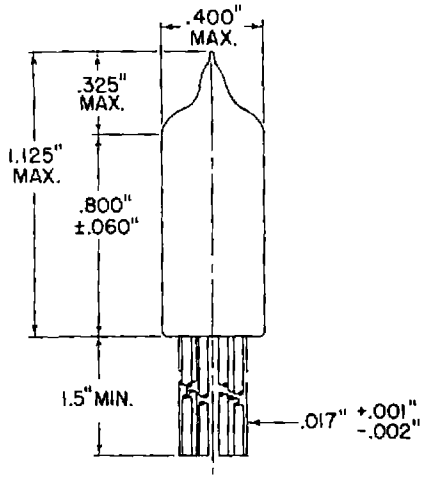
PHYSICAL SPECIFICATIONS

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

BASE PIN CONNECTIONS

Pin 1	P_2
Pin 2	G_2
Pin 3	H
Pin 4	K_2
Pin 5	K_1
Pin 6	H
Pin 7	G_1
Pin 8	P_1

RMA Basing 8 DG



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NATIONAL UNION ELECTRIC CORPORATION

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