# N.U. 6AW7GT

## DOUBLE DIODE TRIODE

MECHANICAL DATA:

Outline Drawing..... 9-16
Bulb..... T-9
Base..... B8-26 (Small wafer with metal sleeve)
Maximum Diameter..... 1-5/16"
Maximum Overall Length..... 3-7/16"
Maximum Seated Height..... 2-7/8"

PIN CONNECTIONS: RMA BASING DESIGNATION 8CQ

Pin #1 - Shell and cathode for triode and No. 2 Diode Plate
Pin #2 - Triode Grid
Pin #3 - No. 1 Diode Plate
Pin #4 - No. 2 Diode Plate
Pin #5 - Cathode for Diode Plate No. 1
Pin #6 - Triode Plate
Pin #7 - Heater
Pin #8 - Heater

Mounting Position..... Any

ELECTRICAL DATA:

**Direct interelectrode capacitances (without shield)**

Grid to Diode Plate No. 1 ..... .300 μμf. maximum
Grid to Diode Plate No. 2 ..... .100 μμf. maximum
Diode No. 1 to Diode No. 2..... .250 μμf. maximum

**Ratings**

Heater Voltage (ac or dc)..... 6.3 Volts
Maximum Triode Plate Voltage..... 300 Volts
Maximum Heater Cathode Voltage..... 90 Volts
Maximum Diode Plate Dissipation..... 0.5 Watt
Maximum continuous Diode Current (each diode)... 1.0 Ma.

**Typical Operating Conditions and Characteristics**

Heater Voltage..... 6.3 Volts
Heater Current..... 0.300 Ma.
Plate Voltage..... 100 Volts
Grid Voltage..... 0
Plate Current..... 1.4 Ma.
Transconductance..... 1200 μmhos.
Amplification Factor..... 80
Average Diode Current with 3 volts applied (each diode)... 5.0 Ma.

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