

engineering data service

SYLVANIA 6AU4GT 6AU4GTA 19AU4 19AU4GTA

MECHANICAL DATA

| Bulb | | | | | | | | | | . T-9 |
|-------------------|--|--|--|--|--|----|------|----|------|----------|
| Base ¹ | | | | | | | | | | |
| Outline | | | | | | | | | | |
| Basing | | | | | | | | | | . 4CG |
| Cathode | | | | | | Co | ated | ĮŢ | Jnip | otential |
| Mounting Position | | | | | | | | | | . Any |

ELECTRICAL DATA

041140T

HEATER CHARACTERISTICS

| | 6AU4GT 6AU4GTA | 19AU4 19AU4GTA |
|----------------|-------------------|--|
| Heater Voltage | . 6.3 . 1.8 | 18.9 Volts 0.6 Amperes 11 Seconds |
| DC | . 900 . 4500 | 900 Volts Max. 4500 Volts 100 Volts Max. 300 Volts Max. |

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

| Heater to Cathode | | | | | | 4.0 μμք |
|---------------------------|------|--|--|--|--|----------|
| Plate to Cathode and Heat | | | | | | |
| Cathode to Plate and Heat | er . | | | | | 11.5 µµf |

RATINGS (Design Center Values-Except as Noted)

Damper Diode³

| | 19AU4GTA | 19AU4 |
|--|-----------------|---|
| Peak Inverse Plate Voltage (Abs. Max.) D C Plate Current | . 190 . 1150 | 4500 Volts 175 Ma Max. 1050 Ma Max. 6.0 Watts Max. |

CAHACTA

CAHACT

CHARACTERISTICS

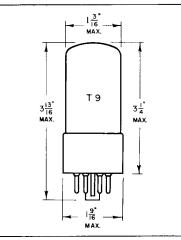
| Average Tub | e Voltage Drop at | $I_b =$ | 350 Ma | | | | | | | | 25 | Volts |
|-------------|-------------------|---------|--------|--|--|--|--|--|--|--|----|-------|
|-------------|-------------------|---------|--------|--|--|--|--|--|--|--|----|-------|

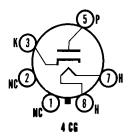
QUICK REFERENCE DATA

The Sylvania Types 6AU4GT, 6AU4GTA, 19AU4 and 19AU4-GTA are indirectly heated half-wave rectifiers designed primarily for service as damping diodes in television receivers.

The 6AU4GTA and 19AU4GTA have higher d c plate current and steady state peak plate current ratings than the 6AU4GT and 19AU4.

The 19AU4 and 19AU4GTA contain 600 ma heaters and have controlled heater warm-up time for service in television receivers employing a series heater string.





SYLVANIA ELECTRIC PRODUCTS INC.

RADIO TUBE DIVISION EMPORIUM, PA.

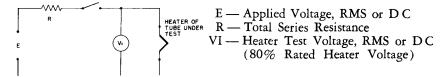
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MARCH 1956

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NOTES:

- 1. May be either 5 or 6 pin. Socket terminals #1 (if used), 2, 4 and 6 shall not be used as tie points. Pin #1 may be omitted on 5-pin base.
- 2. Heater warm-up time is defined as the time required in the circuit shown below for the voltage across the heater terminals to increase from zero to the heater test voltage (VI). The conditions used in conjunction with the test circuit depend upon the rated heater voltage and current of the tube under test. For this type: E = 75.6 Volts, R = 94.5 Ohms, VI = 15.1 Volts.



3. For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcasting Stations; Federal Communications Commission". The duty cycle of the horizontal voltage pulse must not exceed 15% of one scanning cycle. Power rectification service is not recommended.

AVERAGE PLATE CHARACTERISTICS

