



IC21

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GAS-TRIODE

COLD-CATHODE GLOW-DISCHARGE TYPE

| | |
|------------------------|---------|
| Maximum Overall Length | 2-5/8" |
| Maximum Seated Height | 2-1/16" |
| Maximum Diameter | 1-5/16" |

| | |
|------|-----|
| Bulb | T-9 |
|------|-----|

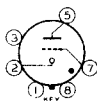
| | |
|------|---------------------------|
| Base | Intermed. Sh. Octal 6-Pin |
|------|---------------------------|

Pin 1 - No Connection

Pin 2 - Cathode

Pin 3 - No Connection

Pin 5 - Anode



Intermed. Sh. Octal 6-Pin

Pin 7 - Grid

Pin 8 - No Connection

● - Gas Tube Type

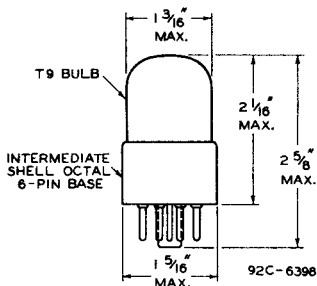
| | | |
|-------------------|--------------------|-----|
| Mounting Position | BOTTOM VIEW (G-4V) | Any |
|-------------------|--------------------|-----|

CHARACTERISTICS

| | | |
|---|--------------|-------|
| Peak Anode Breakdown Voltage (Grid tied to cathode) | 180 min. | volts |
| Peak Positive Grid Breakdown Voltage | { 66 min. | volts |
| D-C Anode Extinction Voltage | { 80 max. | volts |
| Grid Current (For transition of discharge to anode at 100 volts peak) | { 73 approx. | volts |
| Anode Voltage-Drop | { 25 av. | μamp. |
| Grid Voltage-Drop | { 50 max. | μamp. |
| | 73 approx. | volts |
| | 55 approx. | volts |

*Maximum Ratings Are Design-Center Values***MAXIMUM RATINGS**

| | | |
|--|-----------|-------|
| Peak Cathode Current | 100 max. | ma. |
| D-C Cathode Current | 25 max. | ma. |
| Typical Operation as Relay Tube: | | |
| D-C Anode-Supply Voltage | 125 - 145 | volts |
| Peak Positive Grid-Bias Voltage | 66 max. | volts |
| Peak Grid-Signal Voltage | 40 min. | volts |
| Sum of Grid-Bias and Grid-Signal Voltages (Peak) | 100 min. | volts |
| D-C Grid Current | 100 | uamp. |



Dec. 1, 1942

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TENTATIVE DATA

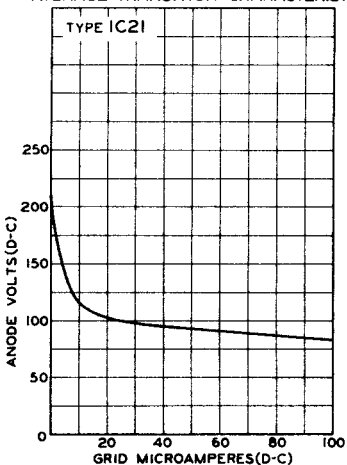
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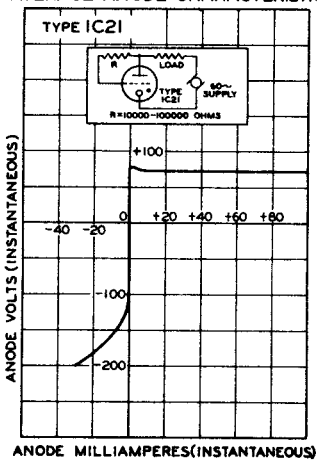
GAS-TRIODE

AVERAGE TRANSITION CHARACTERISTIC



92C-6419R1

AVERAGE ANODE CHARACTERISTIC



92C-6420

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