

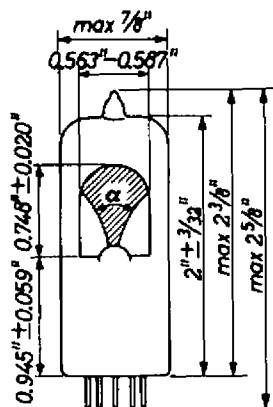
# 6DA5

## ELECTRON-RAY TUNING INDICATOR

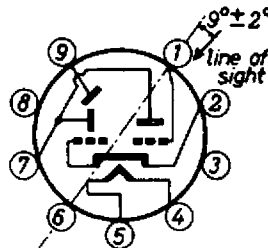
### MECHANICAL DATA

|                          |                     |
|--------------------------|---------------------|
| Cathode                  | Coated unipotential |
| Base                     | E9-1                |
| Bulb                     | T6½                 |
| Mounting position        | Any                 |
| RETMA basing designation | 9DB                 |

### TUBE OUTLINE



### BOTTOM VIEW OF BASE



### BASE PIN No

|   |                              |
|---|------------------------------|
| 1 | Grid                         |
| 2 | Cathode                      |
| 3 | Internal connection          |
| 4 | Heater                       |
| 5 | Heater                       |
| 6 | Internal connection          |
| 7 | Plate, Ray control electrode |
| 8 | Internal connection          |
| 9 | Target                       |

### ELEMENT

### ELECTRICAL DATA

#### Heater data

|                |           |
|----------------|-----------|
| Heater voltage | 6.3 volts |
| Heater current | 0.3 amp   |

### RATINGS (Design Center Values)

|                                               |                                  |
|-----------------------------------------------|----------------------------------|
| Plate voltage                                 | 300 volts max.                   |
| Plate voltage without current                 | 550 volts max.                   |
| Plate dissipation                             | 0.2 watt max.                    |
| Target voltage                                | 300 volts max.<br>165 volts min. |
| Target voltage without current                | 550 volts max.                   |
| Cathode current                               | 3 mamps max.                     |
| Grid circuit resistance                       | 3 megohms max.                   |
| Voltage between cathode and heater            | 100 volts max.                   |
| Circuit resistance between cathode and heater | 20 000 ohms max.                 |

OPERATING CONDITIONS

|                         |      |           |
|-------------------------|------|-----------|
| Supply voltage          | 250  | volts     |
| Target voltage          | 250  | volts     |
| Plate series resistor   | 0.5  | megohm    |
| Grid series resistor    | 3    | megohms   |
| Negative grid bias      | -1   | -14 volts |
| Shadow sector on target | 65   | 5 degrees |
| Plate current           | 0.37 | 0.02 mamp |
| Target current          | 2    | 2.3 mamps |

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