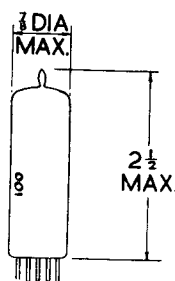
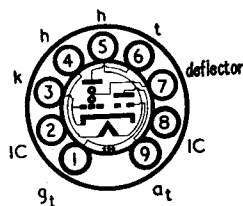


## Current Equipment Type



## TYPE EM840 MINIATURE TUNING INDICATOR



The BRIMAR EM840 is a noval based tuning indicator with the luminous target deposited on the glass itself in the form of a vertical strip. Each end of this strip is luminous and on the application of a control voltage, the luminous areas extend inwards to the centre from the ends.

### RATINGS

|                                   |     |     |     |     |     |                  |
|-----------------------------------|-----|-----|-----|-----|-----|------------------|
| Heater Voltage                    | ... | ... | ... | ... | ... | 6.3 volts        |
| Heater Current                    | ... | ... | ... | ... | ... | 0.25 amp.        |
| Anode Voltage                     | ... | ... | ... | ... | ... | 300 volts max.   |
| Anode Supply Voltage              | ... | ... | ... | ... | ... | 550 volts max.   |
| Anode Dissipation                 | ... | ... | ... | ... | ... | 0.5 watt max.    |
| Target Voltage                    | ... | ... | ... | ... | ... | 300 volts max.   |
| Target Voltage                    | ... | ... | ... | ... | ... | 150 volts min.   |
| Target Supply Voltage             | ... | ... | ... | ... | ... | 550 volts max.   |
| Cathode Current                   | ... | ... | ... | ... | ... | 3.0 mA max.      |
| Heater-Cathode Voltage            | ... | ... | ... | ... | ... | 100 volts max.   |
| Triode Grid Resistance            | ... | ... | ... | ... | ... | 3.0 megohms max. |
| Bulb temperature of luminous area | ... | ... | ... | ... | ... | 150° C. max.     |

### OPERATING CHARACTERISTICS

|                      |     |     |     |     |                 |           |
|----------------------|-----|-----|-----|-----|-----------------|-----------|
| Target Voltage       | ... | ... | ... | ... | ...             | 250 volts |
| Anode Supply Voltage | ... | ... | ... | ... | ...             | 250 volts |
| Anode Resistor       | ... | ... | ... | ... | ...             | 470 kΩ    |
| Triode Grid Voltage  | ... | ... | ... | ... | 0               | -22 volts |
| Anode Current        | ... | ... | ... | ... | 0.45            | 0 mA      |
| Target Current       | ... | ... | ... | ... | 0.7             | 1 mA      |
| Length of Shadow     | ... | ... | ... | ... | $\frac{13}{16}$ | 0 inch    |

NOTE. The deflectors should be connected to the triode anode for normal use.

The indicator has a vari- $\mu$  characteristic and is, therefore, sensitive to weak signals, a change in shadow length of approximately  $\frac{1}{4}$  inch long is produced by changing the control voltage from 0 to -2 volts.

