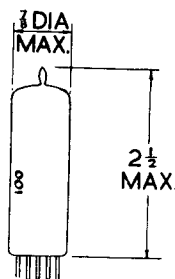
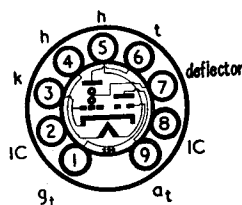


Current Equipment Type



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- μ 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.

