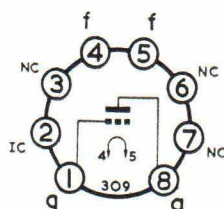


TUNING INDICATOR



B8D Base

GENERAL

This directly heated subminiature tuning indicator is intended for use in mains or battery-operated receivers.

Filament Voltage	V_f	1.4 V
Filament Current	I_f	25 mA

RATINGS

Maximum Anode Dissipation	$P_a(\text{max})$	25 mW
$V_a \leq 90$ V		10 mW
$V_a = 200$ V		90* V
Maximum Anode Voltage	$V_a(\text{max})$	90* V
Minimum Anode Voltage	$V_a(\text{min})$	45 V
Maximum Cathode Current	$I_k(\text{max})$	0.3 mA
Maximum Grid to Cathode Resistance	$R_{g-k}(\text{max})$	10 MΩ

* For circuits without an anode series resistor.

TYPICAL OPERATION

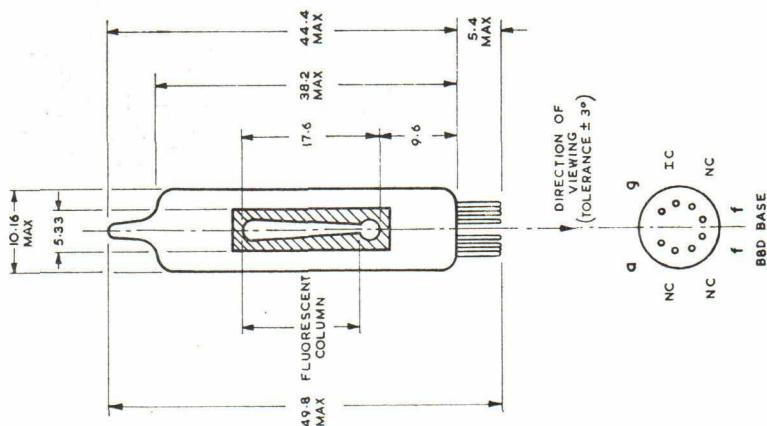
Battery Operation

	Pin 5(f-) Earthed	Pin 4(f-) Earthed	
Anode Voltage	V_a 60	90	V
Anode Current at zero bias	$I_a(V_g = 0)$ 120	250	μA
Grid Voltage for cut-off	$V_g(\text{cut-off})$ -8.0	-13.5	V

Mains Operation

The filament, shunted by a suitable resistor, can be included in a series heater chain providing a current limiting device is used. Pin 5 should be earthed.

Supply Voltage	V_b 110	170	250	V
Anode Resistor	R_a 0.56	1.2	2.2	MΩ
Anode Current	I_a 90	90	90	μA
Grid Voltage for cut-off	$V_g(\text{cut-off})$ -15	-23	-34	V



All dimensions in mm.

