

# EM34

## TUNING INDICATOR

Electron beam tube for use as tuning indicator in radio receivers or as null indicator in test equipment.

### HEATER

$V_h$	6.3	V
$I_h$	200	mA

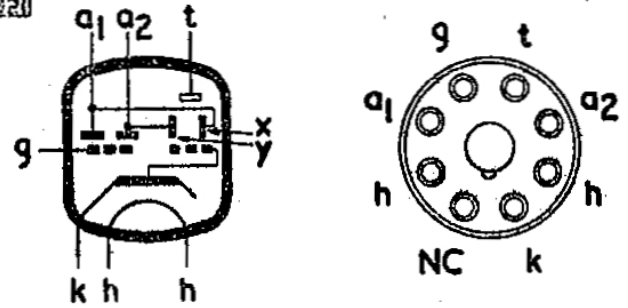
### DIMENSIONS

Max. Overall Length	90	mm
Max. Diameter	28	mm

### LIMITING VALUES

$V_{a1}$ max.	275	V
$V_{a2}$ max.	275	V
$V_t$ max.	275	V
$V_{h-k}$ max.	100	V

9220



Octal

### OPERATING CONDITIONS

$V_b$	200	250	V
$R_{a1}$	1.0	1.0	MΩ
$R_{a2}$	1.0	1.0	MΩ
$I_t$	550	750	μA
$V_g$ ( $\phi_1$ max.) (1)	0	0	V
$V_g$ ( $\phi_2$ max.) (2)	0	0	V
$V_g$ ( $\phi_1$ min.) (5)	-4.2	-5.0	V
$V_g$ ( $\phi_2$ min.) (6)	-12.5	-16	V

- (1) and (2) Max. angle of the shadows produced by the deflector plates  $x'$ ,  $x''$  and  $y'$ ,  $y''$  respectively.
- (5) and (6) Min. angle ( $5^\circ$ ) of the shadows produced by the deflector plates  $x'$ ,  $x''$  and  $y'$ ,  $y''$  respectively.

### REPLACEMENT FOR:

6CD7, 64ME—Direct.

Y61, Y62, Y63, 6M1, 6U5G, 63ME—Supply h.t. to pin 6 through a  $1M\Omega$  resistor. Interchange connections to pins 4 and 5.

EM3, TV6, 6U5/6G5—Change base. Supply h.t. to pin 6 through  $1M\Omega$  resistor. EM1—Change base. Change anode resistor to  $1M\Omega$  and connect another  $1M\Omega$  resistor from h.t.+ to pin 6.

TV4—Change base. Raise heater voltage to 6.3V. Change anode load to  $1M\Omega$  and supply h.t.+ to pin 6 through a  $1M\Omega$  resistor.

TV4A—Change base. Raise heater voltage to 6.3V. Supply h.t.+ to pin 6 through a  $1M\Omega$  resistor.

EFM1 (Indicator section)—See page 126.