

ELECTRON BEAM INDICATOR

EM34

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

HEATER

This valve is suitable for DC/AC operation.

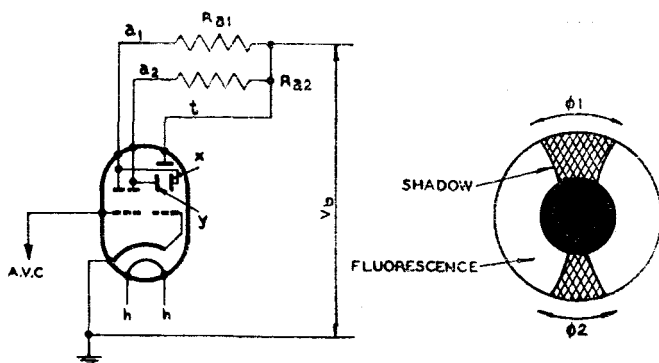
V_h	6.3	V
I_h	0.2	A

OPERATING CONDITIONS

V_b	200	250	V
R_{a1}	1	1	megohm
R_{a2}	1	1	megohm
I_t	0.55	0.75	mA
$V_g(\phi 1 \text{ max.})(1)$	0	0	V
$V_g(\phi 2 \text{ max.})(2)$	0	0	V
$V_g(\phi 1 \text{ min.})(5)$	-4.2	-5.0	V
$V_g(\phi 2 \text{ min.})(6)$	-12.5	-16.0	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°) of the shadows produced by the deflector plates x' , x'' and y' , y'' respectively.



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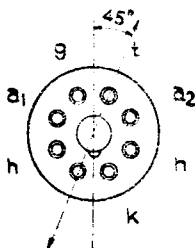
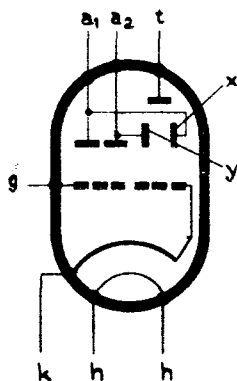
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LIMITING VALUES

$V_{a1(b)} \text{ max.}$	550	V
$V_{a1} \text{ max.}$	275	V
$V_{a2(b)} \text{ max.}$	550	V
$V_{a2} \text{ max.}$	275	V
$V_t(b) \text{ max.}$	550	V
$V_t \text{ max.}$	275	V
$V_{h-k} \text{ max.}$	100	V
$R_{h-k} \text{ max.}$	20,000	ohms
$R_{g-k} \text{ max.}$	3	megohms

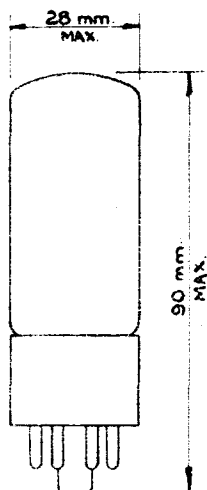
ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS



DIRECTION OF CATHODE
SCREEN SUPPORT

OCTAL BASE

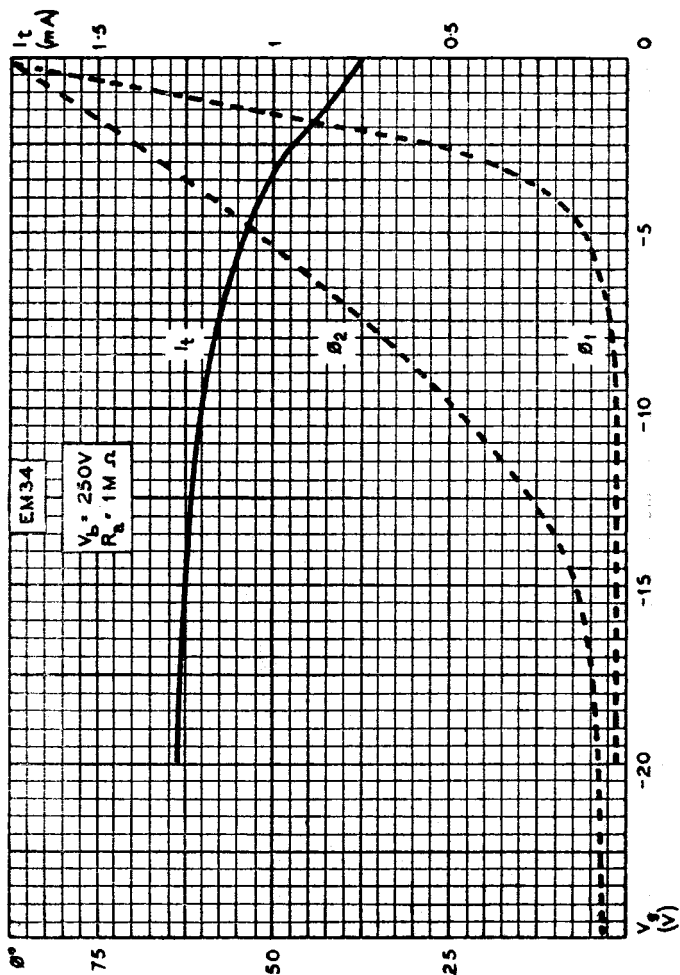
DIMENSIONS



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