ELECTRON BEAM INDICATOR

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

HEATER

This valve is suitable for DC/AC operation.

\[
\begin{align*}
V_h & = 6.3 \text{ V} \\
I_h & = 0.2 \text{ A}
\end{align*}
\]

OPERATING CONDITIONS

\[
\begin{align*}
V_b & = 200 \text{ V} \\
R_{a1} & = 1 \text{ megohm} \\
R_{a2} & = 1 \text{ megohm} \\
I_t & = 0.55 \text{ mA} \\
V_{g(\phi 1 \text{ max.})} & = 0 \text{ V} \\
V_{g(\phi 2 \text{ max.})} & = 0 \text{ V} \\
V_{g(\phi 1 \text{ min.})} & = -4.2 \text{ V} \\
V_{g(\phi 2 \text{ min.})} & = -12.5 \text{ V}
\end{align*}
\]

(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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![Diagram of electron beam indicator](image-url)
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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

DIMENSIONS

DIRECTION OF CATHODE
SCREEN SUPPORT

OCTAL BASE

28 mm MAX.
90 mm MAX.
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