TUNG-SOL

ELECTRON-RAY TUBE
TWIN INDICATOR TYPE

COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS
0.15 AMPERE
AC OR DC

GLASS BULB

INTERMEDIATE SHELL OCTAL 7-PIN BASE

MOUNTING POSITION - ANY A

THE 6AD6G IS A TUNING INDICATOR WITH A CIRCULAR FLUORESCENT SCREEN WITH TWO INDEPENDENT INDICATING SHADOW ANGLES. EACH SHADOW ANGLE IS CONTROLLED BY A RAY-CONTROL ELECTRODE. WHEN THE TUBE IS USED AS A TUNING INDICATOR, ITS RAY-CONTROL ELECTRODES MAY BE CONNECTED IN PARALLEL TO PRODUCE TWO IDENTICAL SHADOWS, OR EACH RAY-CONTROL ELECTRODE MAY BE SUPPLIED WITH A SEPARATE CONTROLLING VOLTAGE FROM A 6AEC6G TUBE.

RATINGS

INDICATOR SERVICE

INTERPRETED ACCORDING TO RMA STANDARD MB-21-0

MAXIMUM TARGET VOLTAGE 150 VOLTS
MINIMUM TARGET VOLTAGE 100 VOLTS
MAXIMUM RAY-CONTROL ELECTRODE SUPPLY VOLTAGE 150 VOLTS
MAXIMUM HEATER-CATHODE POTENTIAL 100 VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

TUNING INDICATOR

TARGET VOLTAGE 100 150 VOLTS
TARGET CURRENT (APPROX.) B 1.5 3.0 MA.
TARGET CURRENT (APPROX.) C 1.0 2.0 MA.
TARGET CURRENT (APPROX.) D 0.8 1.2 MA.
RAY-CONTROL ELECTRODE VOLTAGE B 45 75 APPROX. VOLTS
RAY-CONTROL ELECTRODE VOLTAGE C 0 8.0 APPROX. VOLTS
RAY-CONTROL ELECTRODE VOLTAGE D -23 -50 APPROX. VOLTS

A THE PLANE OF THE RAY-CONTROL ELECTRODES PASSES THROUGH THE LINE E-E ON THE SCHEMATIC CONNECTION DIAGRAM.
B FOR SHADOW ANGLE OF 0° PRODUCED BY EITHER RAY-CONTROL ELECTRODE.
C FOR SHADOW ANGLE OF 90° PRODUCED BY EITHER RAY-CONTROL ELECTRODE.
D FOR SHADOW ANGLE OF 135° PRODUCED BY EITHER RAY-CONTROL ELECTRODE.
CIRCUIT FOR OPERATING A TYPE 6AD6G ON BOTH
WEAK AND STRONG SIGNALS

TO AVC VOLTAGE

+ 250 V.

+ 125 V.

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