VOLTAGE REGULATOR
MINIATURE TYPE
COLD-CATHODE GLOW DISCHARGE
ANY MOUNTING POSITION

THE OA2 IS A COLD CATHODE GLOW-DISCHARGE TUBE USING THE MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE AS A VOLTAGE REGULATOR TO MAINTAIN CONSTANT VOLTAGE ACROSS A LOAD WITH MODERATE CHANGES IN LOAD CURRENT AND SUPPLY VOLTAGE.

RATINGS
MAXIMUM AND MINIMUM RATINGS ARE ABSOLUTE VALUES

MAXIMUM AVERAGE STARTING CURRENT\textsuperscript{a} 75 MA.
MAXIMUM DC OPERATING CURRENT (CONTINUOUS) 30 MA.
MINIMUM DC OPERATING CURRENT (CONTINUOUS) 5 MA.
MAXIMUM AMBIENT TEMPERATURE +90 °C
MINIMUM AMBIENT TEMPERATURE -55 °C

\textsuperscript{a} AVERAGED OVER STARTING PERIOD NOT EXCEEDING 10 SECONDS.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

MINIMUM DC ANODE SUPPLY VOLTAGE\textsuperscript{b} 185 VOLS
DC STARTING VOLTAGE (APPROX.) 155 VOLS
DC OPERATING VOLTAGE (APPROX.) 150 VOLS
SERIES RESISTOR C
MAXIMUM SHUNT CAPACITOR 0.1 µF
REGULATION (5 TO 30 MA.) 2 VOLS

\textsuperscript{b} NOT LESS THAN INDICATED SUPPLY VOLTAGE SHOULD BE PROVIDED TO INSURE "STARTING" THROUGHOUT TUBE LIFE.

\textsuperscript{c} SHOULD BE SUFFICIENT TO LIMIT OPERATING CURRENT THROUGH TUBE TO 30 MA. AT ALL TIMES AFTER THE STARTING PERIOD.

SIMILAR TYPE REFERRENCE: Ratings and characteristics somewhat similar to type 603/FR150.

PLATE 2016
JUNE 1, 1948

COPYRIGHT 1948 BY TUNG-SOL ELECTRIC INC.
ELECTRON TUBE DIVISION
NEWARK, NEW JERSEY, U.S.A.