RETMA Registration Data

TYPE 6DL7

Electron-Ray Tuning Indicator

Mechanical Data

Cathode .....Coated unipotential
Outline drawing .....9-33, Bulb T-9
Base B8-6
Maximum diameter ..... 1-9/32"
Maximum seated height ..... 3-1/4"
Maximum overrall length ..... 3-13/16"

Pin connections Basing.... 8EV

Pin 1 ..... No connection
Pin 2 ..... Heater
Pin 3 ..... Plate, Ray control electrode No. 2
Pin 4 ..... Grid
Pin 5 ..... Target
Pin 6 ..... Plate, Ray control electrode No. 1
Pin 7 ..... Heater
Pin 8 ..... Cathode

Electrical Data

Heates Characteristics

Heater voltage .....6.3 volts
Heater current .....0.3 amp
Maximum heater-cathode voltage
Heater negative with respect to cathode .....100 volts
Heater Positive with respect to cathode .....100 volts

Ratings (Design center value)

Maximum plate No. 1 voltage .....250 volts
Maximum plate No. 2 voltage .....250 volts
Maximum target voltage .....250 volts
Minimum target voltage .....140 volts

Typical operating condition and characteristics

Plate supply voltage .....250 volts
Plate voltage .....100 volts
Target voltage .....250 volts
Grid voltage .....0 volts
Plate series resistor (each plate) .....1 megohms
Target current .....3.0 ma
Shadow angle $d_1 = d_2$ .....90°

Grid voltage for shadow angle d_1 of 0° .....-5.5 volts
Grid voltage for shadow angle d_2 of 0° .....-2.2 volts

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