

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 overall 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
<u>Ratings (Design center value)</u>	

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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