

ELECTRONIC TUBE REFERENCE

8RP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Eight-inch P4 cathode-ray display tube for high-voltage direct visual service, using magnetic deflection and manufacturer-specified focusing, grid-control, and accelerating-voltage characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8MC	BASE PINS	8
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray
No fixed ratings recorded.
Cathode-ray section. Datasheet warns that X-ray shielding may be necessary above 16 kV.

The 8RP4 is an eight-inch electrostatic-focus, magnetic-deflection cathode-ray tube for monitor use in closed-circuit television, studio broadcasting, and industrial applications.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1968 GENERAL ELECTRIC CO

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AnodeVoltageMax	20000 V	—
AnodeVoltageTypical	16000 V	—
Grid2VoltageMax	700 V	—
Grid2VoltageTypical	300 V	—
Heater Voltage o 2 o o o s 5 s s o o s s 8 5 o o	6.3 V	GENERAL
Diagonal o o 5 o o s 2 o s o a s o o o	10 deg	GENERAL
Horizontal o o o o o o o o o o s o s s o	4 deg	GENERAL
Vertical o o o o o s o o s s o o a o a o	50 deg	GENERAL
Light Transmission at Center Approximate L	80 %	GENERAL
Anode Contact Aligns WithoPin No 1 Position +	30 deg	MECHANICAL
Anode VOltag e s o o s 5 s s o o 16	0 V	MAXIMUM RATINGS
Grid No 2 VOlItage o o o o o o a a o s s o o o	300 V	MAXIMUM RATINGS
Grid No 1 Voltage 2 2 o s o o o 33 to	72 V	MAXIMUM RATINGS
Focusing Electrode Voltagee o o o o o	-100-400 V	MAXIMUM RATINGS
anode current of	100 uA	+ The maximum ratings provide a ten percent safety factor in

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
If this tube is operated at voltages in excess of 16	0 V	+ The maximum ratings provide a ten percent safety factor in