

Seven-inch P7 cathode-ray instrument tube for oscillographic or measurement display, with manufacturer-specified focusing, deflection, accelerating-voltage, and phosphor characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / 4 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray
No fixed ratings recorded.
Promoted fields mapped by printed headings; additional data retained in parameters.

7-inch cathode-ray tube for radar and oscillographic applications with electrostatic focus and deflection, long persistence, and post acceleration for high brightness and sensitivity.

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
Heater V0lbage o o v o o o « « o o o 0 a o o o o o o » « « 0«	643 V	Published datasheet line; semantic text-layer recovery
0VeI'—all Length o ° ° [[° ° [° L] ° L] L] ° ° o ° ° - .}.7—1/8 _t 3/	8 in	Published datasheet line; semantic text-layer recovery
Greatest Bulb Diameter. « o « » o « « o o « o « « o o7- 3/8 + 3/16	1 in	Published datasheet line; semantic text-layer recovery
Minimum Useful Screen Diameter . « o o « o o & e e @ - - L]	6.5 in	Published datasheet line; semantic text-layer recovery
J1-22 Contact Aligns with Trace of D1-D2 +	10 deg	Published datasheet line; semantic text-layer recovery
D1-D2 Trace Aligns with Pin.No. 5 and Tube Axis +	10 deg	Published datasheet line; semantic text-layer recovery
Angle Between D3-Dl and DI- D2 Traces o« o o o o « « « o 90 +	1 deg	Published datasheet line; semantic text-layer recovery
Post Accelerator Voltage . e e . « L,	0 V	Published datasheet line; semantic text-layer recovery
hnode V0LlLage o o o o o o ¢ o « o « o o « o « o o o « +« o 2,	0 V	Published datasheet line; semantic text-layer recovery
Focusing Electrode Voltage 392 to	672 V	Published datasheet line; semantic text-layer recovery
Grid No. 1 Voltaged o « « o o = « o « « « s o o« o o « b0 to =	80 V	Published datasheet line; semantic text-layer recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
D1 and D2 & & 4 6 « o « s o o« » o s o s » o « s o« o 12 to	108 V	Published datasheet line; semantic text-layer recovery
D3 and Dh o o v 4 ¢« « 4 4 o 4 « 6 s 0o s e s e s« 6Lto	9 V	Published datasheet line; semantic text-layer recovery
With post accelerator anode voltage of 4,	0 V	Published datasheet line; semantic text-layer recovery
2. BULB CONTACT ALIGNS WITH PIN NO.5 POSITION	10 deg	Published datasheet line; semantic text-layer recovery