

ELECTRONIC TUBE REFERENCE

7BLP7

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Seven-inch flat-faced dual-beam CRT with electrostatic focusing and deflection, post acceleration, aluminized P7 long-persistence screen, and suitability for radar and oscillographic applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / 600 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.
Promoted fields mapped by printed headings; additional data retained in parameters.

7-inch flat-faced dual-beam cathode-ray tube with electrostatic focus and deflection, post acceleration, long persistence, and aluminized screen for radar and oscillographic 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
Heatf}r VOl'LE' T2 e © & 0o e & ©°o B & € & & # & e & ® & w @+ & v w w -6	-3 V	Published datasheet line; semantic text-layer recovery
Over-all Length - > - » - . [-] - 3 o - - * - - L] - . - . 21 + 3/	8 in	Published datasheet line; semantic text-layer recovery
Greatest Bulb Diameters « « o s « v o o = s 5 ¢ s « s & . 7 % 1/	16 in	Published datasheet line; semantic text-layer recovery
Minimum Useful Screen Diametere. « « « = + o« s ¢ o o o » « » +6-1/	8 in	Published datasheet line; semantic text-layer recovery
Post-Accelerator Contact Aligns with Trace of D1-D2 +	10 deg	Published datasheet line; semantic text-layer recovery
D1-D2 Trace Aligns with Pin No. 12 and Tube Axis +	10 deg	Published datasheet line; semantic text-layer recovery
Angle between D3-D4 and D1- D2 Traces « + « + « « « » « « « » 290 +	1 deg	Published datasheet line; semantic text-layer recovery
Post-Accelerator Voltage . o Ld 4 » - L ° L] - e e « « o o«	6000 V	Published datasheet line; semantic text-layer recovery
Anode Voltage « o « + « & . ¢ e e« o » & ©° @ e o o + s »	3000 V	Published datasheet line; semantic text-layer recovery
Focusing-Elecirode Voltage s e B & » & = s & . « 800 to	1150 V	Published datasheet line; semantic text-layer recovery
D1 and D2 v ¢ o o 6 s o @ o 70 to	92 V	Published datasheet line; semantic text-layer recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DBandDl#a..... . 64 to B	2 V	Published datasheet line; semantic text-layer recovery
+D2 direction	1.5 in	Published datasheet line; semantic text-layer recovery
+D3 direction	2 in	Published datasheet line; semantic text-layer recovery
+D4 direction	2 in	Published datasheet line; semantic text-layer recovery
+D1 direction	1.5 in	Published datasheet line; semantic text-layer recovery
+D3 direction	2 in	Published datasheet line; semantic text-layer recovery
+D4 direction	2 in	Published datasheet line; semantic text-layer recovery