



ELECTRONIC TUBE REFERENCE

3FP7A

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Electrostatically focused and deflected P7 cathode-ray instrument tube with a combination short- and long-persistence screen, post-acceleration, and an anode rating up to 8 kV.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	8000 V
<i>Published ratings and characteristics promoted where clearly stated; remaining published values retained as section parameters.</i>	

Three-inch electrostatic-focus and electrostatic-deflection cathode-ray tube with a combination short- and long-persistence P7 screen for oscilloscope applications.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1940 RCA

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

1940 RCA

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6.3 V	Published nominal value
Heater or filament current	600 mA	Published nominal value
Deflection method	Electrostatic	Published
Focusing method	Electrostatic	Published
Phosphor	P7	Combination long- and short-persistence screen

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode No.3 maximum voltage	8000 V	Absolute maximum
Anode No.2 and grid No.2 maximum voltage	2200 V	Absolute maximum

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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