

ELECTRONIC TUBE REFERENCE

CK1419P31

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Specialized Raytheon cathode-ray tube in the CK family. The available source extraction was incomplete in this pass, so its exact display, recording, storage, or printing function is not inferred.

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

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	45000 V
Published ratings and characteristics promoted where clearly stated.	

High-brightness projection cathode-ray tube with cooled P31 screen for large television-format and radar display systems.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

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
Resolution	600 TV lines	Published
Light output	38000 foot-lamberts	Published

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode operating voltage	40000 V	With coolant system operating

TUBE TINKER

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