

Raytheon radar cathode-ray tube with electrostatic focusing, magnetic deflection, and a P19 screen. This family is designed for direct radar indication, with metallized or filter-face construction on applicable variants.

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	10000 V
Published ratings and characteristics promoted where clearly stated.	

7-inch high-resolution electrostatic-focus, magnetic-deflection radar cathode-ray tube with metallized P19 screen and high-altitude high-voltage connector.

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
Screen phosphor	P19	Metallized screen