

ELECTRONIC TUBE REFERENCE

852HM

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Radar display CRT with an 8.5-inch rectangular metal-backed screen, low-voltage electrostatic focusing, and magnetic deflection for high-brightness direct-view radar presentation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	15000 V
<i>Promoted fields were populated only where the Ferranti sheet maps cleanly to the locked schema; additional ratings and operating values are retained in TUBE_SECTION_PARAMETER.</i>	

Radar display CRT with 8.5-inch rectangular metal-backed screen, low-voltage electrostatic focus and magnetic deflection.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Ferranti

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

1963 FERRANTI

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
First and third anode voltage	12000 V	—
Second-anode focus voltage minimum	-100 V	—
Second-anode focus voltage maximum	200 V	—
Visual cutoff grid voltage minimum	-100 V	—
Visual cutoff grid voltage maximum	-50 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode-to-all capacitance maximum	8 pF	—
Grid-to-all capacitance maximum	8 pF	—