



ELECTRONIC TUBE REFERENCE

T986D

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Twelve-inch high-brightness marine-radar PPI CRT with magnetic deflection, electrostatic focusing, aluminized persistent screen, narrow 40-degree scan angle, and typical EHT around 12-16 kV.

GENERAL CHARACTERISTICS

BASE DESIGNATION	BS8H	BASE PINS	—
NOMINAL HEATER	6.3 V / 340 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	18000 V
<i>Maximum final-anode/PDA voltage mapped to MaxPlateVoltage.</i>	

Twelve-inch high-brightness marine-radar PPI cathode-ray tube with magnetic deflection, electrostatic focus, aluminized screen, narrow 40-degree scan angle, and 12-16 kV typical EHT. D / EVS.007 yellow-orange, long persistence

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 English Electric Valve

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

1971 ENGLISH ELECTRIC VALVE

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	340 mA	—
Minimum anode 2/anode 4 voltage	8 kV	—
Maximum anode 2/anode 4 voltage	18 kV	—
Maximum anode 1 voltage	800 V	—
Typical anode 2/anode 4 voltage range	12-16 kV	—
Deflection angle	40 deg	—
X-ray production threshold	16 kV	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen characteristic	D / EVS.007 yellow-orange, long persistence	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to all other electrodes capacitance	80 pF	—
Cathode to all other electrodes capacitance	80 pF	—
Anode 2/anode 4 to external conductive coating capacitance	1500 pF	—