ELECTRONIC TUBE REFERENCE

T986Y

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

SECTION1 Cathode Ray

No fixed ratings recorded.

Maximum final-anode/PDA voltage mapped to MaxPlateVoltage.

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. Y screen

SOURCE OPERATING CONDITIONS

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	**Y screen**	—

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**	—

Tube Tinker

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

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