



ELECTRONIC TUBE REFERENCE

B7S3

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

RFT oscilloscope cathode-ray tube designed for waveform display and electronic measurement. Its electrostatic beam-control system and compact screen are intended for laboratory, service, and broadband instrument applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	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	1000 V
MAXIMUM CATHODE CURRENT	0.2 mA
<i>Wide-band oscilloscope CRT electron-gun/deflection system with post-acceleration.</i>	

A wideband oscilloscope cathode-ray tube with a 76 mm flat screen, side-connected deflection plates and post-acceleration, intended for symmetrical deflection operation.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Acceleration voltage minimum	0.45 kV	—
Total acceleration voltage typical	1 kV	—
Focus voltage maximum	500 V	—
Deflection-plate voltage maximum	500 V	—
Cathode current maximum	200 μ A	—
Heater-cathode voltage maximum	180 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input-grid capacitance	6.6 to 8.8 pF	—

TUBE TINKER

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