

ELECTRONIC TUBE REFERENCE

632PM

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Six-inch voltage-transient oscillograph CRT with electrostatic deflection, magnetic focusing, and a screen intended for photographic recording. Ferranti specifies approximately 25 kV anode capability for transient capture.

GENERAL CHARACTERISTICS

BASE DESIGNATION	InternationalOctal	BASE PINS	8
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	- / -
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	25000 V
Ratings, characteristics, typical operating points, and capacitances were extracted from the supplied Ferranti datasheet.	

Six-inch voltage-transient oscillograph cathode-ray tube with electrostatic deflection, magnetic focus, and photographic-recording screen.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	4 V	—
HeaterOrFilamentCurrent	1 A	—
FocusingMethod	Magnetic	—
DeflectionMethod	Electrostatic	—
ScreenConstruction	Metal-backed	—
UsefulScreenDiameterMinimum	127 mm	—
GridVoltageForVisualCutoff	AnodeVoltage/120	—
YDeflectionSensitivity	450/AnodeVoltage mm/V	—
XDeflectionSensitivity	500/AnodeVoltage mm/V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterCathodeVoltageMaximum	100 V	—
PulsedBeamCurrentMaximum	500 uA	—
GridVoltageForVisualCutoff	-165 V	—
FocusCoil	900 ampere-turn	—
WritingSpeedMinimum	500000 spot-diameters/us	SingleSweepPhotography;ImageRatio=1:3;LensAperture=f1

TUBE TINKER

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and their source documents.

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