

ELECTRONIC TUBE REFERENCE

D3001

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch Iatron direct-view storage CRT that writes, stores, erases, and displays gray-scale information. Its storage target provides persistent electronic images with tonal information.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	10000 V
Storage CRT; multiple write/flood electrodes are preserved as parameters.	

The ITT D3001 Iatron is a five-inch direct-view storage cathode-ray tube that writes, stores, erases, and displays gray-scale information.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 ITT

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

1962 ITT

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode preheating time	30 s	—
Viewing-screen maximum voltage	10000 V	—
Backing-electrode maximum voltage	25 V	—
Collector maximum voltage	250 V	—
Flood anode 4 maximum voltage	150 V	—
Flood anode 3 maximum voltage	150 V	—
Flood anode 2 maximum voltage	150 V	—
Flood anode 1 maximum voltage	480 V	—
Heater-cathode maximum voltage	125 V	—
Write cathode typical voltage	-750 V	—
Write grid 1 cutoff voltage	-60 V	—
Write grid 3 focus voltage	165 V	—
Anode 2 adjustment	25–35 V	—
Anode 3 adjustment	15–30 V	—
Write-grid cutoff adjustment	-120—-60 V	—
Write-grid focus adjustment	105–210 V	—