



ELECTRONIC TUBE REFERENCE

TMA406

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Dual-function electronic storage or scan-converter tube with separate writing and reading processes. Charge patterns are stored on an internal target and subsequently read in the same or a converted scanning format.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 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.

Published promoted ratings/characteristics retained where readable; additional values are in TUBE_SECTION_PARAMETER.

Radar-to-television scan-converter storage tube with write and read guns and magnetic deflection, providing adjustable persistence, high definition and rapid erasure.



SOURCE OPERATING CONDITIONS

1958 Compagnie General

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

1958 COMPAGNIE GENERAL

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Write-gun cathode voltage	-8 kV	—
Write-gun focus voltage	-5.5 kV	LowerRange
Write-gun focus voltage	-6 kV	UpperRange
Read-gun erase-anode voltage	-0.8 kV	LowerRange
Read-gun erase-anode voltage	-1.2 kV	UpperRange



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Thomson CSF

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

1972 THOMSON CSF

Section 1 · Cathode Ray

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current per Gun	600 mA	—
Output Capacitance	15 pF	—
Resolution	180 PPI range rings	—
Storage Time	1-30 s	—
Fast Erasing Time	fast	—
Writing Cathode Voltage	-9000 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reading Cathode Voltage	-2000 V	—

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker