

ELECTRONIC TUBE REFERENCE

TEI1347

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch bicolor halftone direct-view storage tube with two writing guns, producing stored green and red information for oscilloscopic, peripheral-display, and radar applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	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 electrical data audited and retained in parameter table.

The TEI1347 is a five-inch bicolor halftone direct-view storage tube with two writing guns, producing stored information in green and red for oscilloscopic, peripheral-display, and radar applications.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage ꝑcciviiiiinnnnnnns	6.3 V	Heater voltage ꝑcciviiiiinnnnnnns 6.3 v
Heater current i	600 mA	Heater current i 0.6 A
Heater f'voltage o i en, [1]	5.7 V	Heater f'voltage o i en, 5.7 to 6.9 V
Heater f'voltage o i en, [2]	6.9 V	Heater f'voltage o i en, 5.7 to 6.9 V
Cathode k' voltage ciiviiinnnes	0 V	Cathode k' voltage ciiviiinnnes 0V
Grid g'l voltage (control grid or Wehnelt) =	200 V	Grid g'l voltage (control grid or Wehnelt) =200 V
Grid g' [1]	2 V	Grid g'2 voltage (accelerating electrode)..... 200 V
Grid g' [2]	200 V	Grid g'2 voltage (accelerating electrode)..... 200 V
Grid g' [1]	3 V	Grid g'3 voltage (first collimating electrode). .. 200 V
Grid g' [2]	200 V	Grid g'3 voltage (first collimating electrode). .. 200 V
Grid g' [1]	4 V	Grid g'4 voltage (second collimating electrode) 300 V
Grid g' [2]	300 V	Grid g'4 voltage (second collimating electrode) 300 V
Grid g' [1]	5 V	Grid g'5 voltage (collecting electrode)..... 300 V
Grid g' [2]	300 V	Grid g'5 voltage (collecting electrode)..... 300 V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid g' [1]	6 V	Grid g'6 voltage (backing electrode)..... .. 20 V
Grid g' [2]	20 V	Grid g'6 voltage (backing electrode)..... .. 20 V
Viewing screen g' [1]	7 V	Viewing screen g'7 voltage 11 kV
Viewing screen g' [2]	11 V	Viewing screen g'7 voltage 11 kV
Heater fvoltage ccivvivnnnnnnn [1]	5.7 V	Heater fvoltage ccivvivnnnnnnn .. 5.7 to 6.9 V
Heater fvoltage ccivvivnnnnnnn [2]	6.9 V	Heater fvoltage ccivvivnnnnnnn .. 5.7 to 6.9 V
Cathode k voltage coiivinnvnnnns	29 V	Cathode k voltage coiivinnvnnnns - 2,9 kv
Grid gl voltage (control grid or Wehnelt)w. r. t k [1]	0 V	Grid gl voltage (control grid or Wehnelt)w. r. t k. 0 to - 200 V
Grid gl voltage (control grid or Wehnelt)w. r. t k [2]	200 V	Grid gl voltage (control grid or Wehnelt)w. r. t k. 0 to - 200 V
Grids g2 and g4 voltage (accelerating electrodes) Connected to g'	2 V	Grids g2 and g4 voltage (accelerating electrodes) Connected to g'2
Grid g3 voltage focusing electrode) w.r.t. k	1.2 V	Grid g3 voltage focusing electrode) w.r.t. k. .. 1.2 kv
Cathode k' voltage e	0 V	Cathode k' voltage e 0 Vv
Grid g'lvoltage c.ccieiinnnnnnn adjust [1]	0 V	Grid g'lvoltage c.ccieiinnnnnnn adjust 0 to -150 V
Grid g'lvoltage c.ccieiinnnnnnn adjust [2]	-150 V	Grid g'lvoltage c.ccieiinnnnnnn adjust 0 to -150 V
Grid g' [1]	2 V	Grid g'2 voltage ccvivnnnnnns 60 V
Grid g' [2]	60 V	Grid g'2 voltage ccvivnnnnnns 60 V
Grid g' [1]	3 V	Grid g'3 voltage cccviniiennnnns adjust 20 to 40 V
Grid g' [2]	20 V	Grid g'3 voltage cccviniiennnnns adjust 20 to 40 V
Grid g' [3]	40 V	Grid g'3 voltage cccviniiennnnns adjust 20 to 40 V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid g' [1]	4 V	Grid g'4 voltage Cererereeeeneas adjust 40 to 100 V
Grid g' [2]	40 V	Grid g'4 voltage Cererereeeeneas adjust 40 to 100 V
Grid g' [3]	100 V	Grid g'4 voltage Cererereeeeneas adjust 40 to 100 V
Grid g' [1]	5 V	Grid g'5 voltage e rieiese e 210 V
Grid g' [2]	210 V	Grid g'5 voltage e rieiese e 210 V
Grid g' [1]	6 V	Grid g'6 voltage c.vviuiiininnnnnnnn -6 Vv
Grid g' [2]	-6 V	Grid g'6 voltage c.vviuiiininnnnnnnn -6 Vv
Viewing screen g' [1]	7 V	Viewing screen g'7 voltage 10 kV
Viewing screen g' [2]	10 V	Viewing screen g'7 voltage 10 kV
Cathode k voltage ccvieiiviininnnnnnnses	2 V	Cathode k voltage ccvieiiviininnnnnnnses - 2 kv
Grid gl voltage (max. for cut-off) w.r.t. k	-90 V	Grid gl voltage (max. for cut-off) w.r.t. k. -90 V
Grids g2 and g4 voltages.....cov0uvuns - Connected to g'	2 V	Grids g2 and g4 voltages.....cov0uvuns - Connected to g'2
Grid g3 voltage w.r.t.k. ... ittt adjust [1]	400 V	Grid g3 voltage w.r.t.k. ... ittt adjust 400 to 600 V
Grid g3 voltage w.r.t.k. ... ittt adjust [2]	600 V	Grid g3 voltage w.r.t.k. ... ittt adjust 400 to 600 V

TUBE TINKER

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