

ELECTRONIC TUBE REFERENCE

3ALP1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Compact electrostatic cathode-ray instrument tube with published deflection sensitivity, grid-control ratings, and screen-dissipation limits, intended for precision waveform and measurement displays.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 310 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 electrical values are also captured in parameter rows.

Cathode-ray tube intended for oscilloscope/display service. Philips 3ALP1; 3ALPT PHILIPS ELECTRON DEVICES LTD 3ALP7 3ALPTI DESCRIPTION Cathode ray tube for oscilloscopes ELECTRICAL DATA Heating Heater voltage 63V .Heater current 0.31 A Focusing method electrostatic Deflection method double electrostatic D1 02 symmetrical D3 D4

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	310 mA	.Heater current 0.31 A
Grid No.2 voltage	800 V	Grid No.2 voltage = 800 V
Grid No. 3 voltage {""""	1000 V	Grid No. 3 voltage {"""" 1000 V
Peak voltage between deflection plates D4 and D4 max	450 V	Peak voltage between deflection plates D4 and D4 max. 450 V-
Screen dissipation max	19.4 mW	Screen dissipation max.. 19.4 mW/sq. inch
Grid No. 1 circuit resistance max	0.5 MΩ	Grid No. 1 circuit resistance max. 0.5 MQ
Grid No. 3 voltage	800 V	Grid No. 3 voltage 800 V
Grid No. 2 voltage _ 200 to	300 V	Grid No. 2 voltage _ 200 to 300 V
Dy D,	160 V	Dy D, 160 V/inch
Published electrical value	100 V	100 V/inch