ELECTRONIC TUBE REFERENCE

3AMP1A

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Low-voltage Philips cathode-ray tube for oscilloscopes, using electrostatic focusing and double electrostatic deflection. Its compact three-inch format is intended for economical waveform and instrument-display applications.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	6.3 V / 300 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 3AMP1A; PHILIPS ELECTRON DEVICES LTD 3AMPIA DESCRIPTION Low voltage cathode ray tube for oscilloscopes ELECTRICAL DATA Heating . . Heater voltage 6.3V Heater current D.3A Focusing method electrostatic Deflection method double electrostatic Dl D2 symmetrical D3

SOURCE OPERATING CONDITIONS

1999 Philips 0-D

SOURCE PDF

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**
Grid No. 2-and 4 voltage	**500 V**	Grid No. 2-and 4 voltage = 500 V
Grid No. 2 and 4 voltage {max’	**800 v**	Grid No. 2 and 4 voltage {max’ 800 v -
Screen dissipation max	**19.4 mW**	Screen dissipation max. 19.4 mW/sq. inch
Grid No. 1 citcuit resistance ‘ maz	**0.5 MΩ**	Grid No. 1 citcuit resistance ‘ maz. 0.5 MQ
Deflection plate circuit resistance - max	**5 MΩ**	Deflection plate circuit resistance - max. 5 MQ
Grid No. 2 and 4 voltage	**500 v**	Grid No. 2 and 4 voltage 500 v
» D{D, . o 84.6	**-105.8 V**	» D{D, . o 84.6-105.8 V/inch
Deflection factor {03 D4 47.8-59	**-1 V**	Deflection factor {03 D4 47.8-59-1 V/inch
Grid No.2 an 4 voltage	**500 v**	Grid No.2 an 4 voltage 500 v
84.6	**-105.8 V**	84.6-105.8 V/inch
59.1	**-72.6 V**	59.1-72.6 V/inch

TUBE TINKER

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