ELECTRONIC TUBE REFERENCE

A37570X

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Thirty-seven-centimeter 90-degree Hi-Bri color picture tube with an in-line gun, electrostatic bi-potential focusing, magnetic deflection, and quick-heating cathodes. Philips specifies high-voltage operation to approximately 27.5 kV.

General characteristics

BASE DESIGNATION	B12-262	**BASE PINS**	12
NOMINAL HEATER	6.3 V / 685 mA	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Cathode Ray

MAXIMUM PLATE VOLTAGE	27500 V
MAXIMUM SCREEN VOLTAGE	1000 V

37 cm 90-degree Hi-Bri colour picture tube with in-line gun, electrostatic bi-potential focus, magnetic deflection and quick-heating cathodes.

37 cm 90-degree Hi-Bri colour picture tube with in-line gun, electrostatic bi-potential focus, magnetic deflection and quick-heating cathodes.

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

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Anode to external capacitance	**1600 pF**	—
Grid 1 capacitance	**15 pF**	—
Cathode capacitance per gun	**5 pF**	—
Focus electrode capacitance	**6 pF**	—
Useful screen diagonal	**335.4 mm**	—
Deflection angle	**90 deg**	—
Anode voltage minimum	**20 kV**	—
Anode voltage maximum	**27.5 kV**	—
Three-gun long-term average current maximum	**750 uA**	—
Focus electrode voltage maximum	**7 kV**	—

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