

ELECTRONIC TUBE REFERENCE

MY62

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA  
1 SECTION  
CONSTRUCTION  
CATHODERAY

Color-television projection CRT with magnetic focusing and deflection, designed to generate a bright color image for optical projection. The manufacturer explicitly requires X-ray shielding equivalent to 0.5 mm lead.

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.                                                                                                                                 |
| Colour-television projection CRT with magnetic focusing and magnetic deflection; the source explicitly requires X-ray shielding equivalent to 0.5 mm lead. |

MY62 is a CathodeRay device. Colour-television projection CRT with magnetic focusing and magnetic deflection; the source explicitly requires X-ray shielding equivalent to 0.5 mm lead.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1963 Philips Electron Tubes Handbook V2

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

## 1963 PHILIPS ELECTRON TUBES HANDBOOK V2

## Section 1 · Cathode Ray

| OTHER                                    |                 |                    |
|------------------------------------------|-----------------|--------------------|
| PARAMETER                                | PUBLISHED VALUE | CONDITION / NOTE   |
| Useful screen diameter                   | 55— mm          | Minimum            |
| Heater voltage                           | 6.3 V           | —                  |
| Heater current                           | 300 mA          | —                  |
| Focusing method                          | Magnetic        | —                  |
| Deflection method                        | Magnetic        | —                  |
| Anode/grid-2 voltage                     | 25 kV           | —                  |
| Maximum anode/grid-2 voltage             | 25 kV           | —                  |
| Maximum grid-1 bias magnitude            | 200 V           | —                  |
| Maximum heater-cathode voltage           | 125 V           | —                  |
| Required X-ray shielding lead equivalent | 0.5 mm          | ObserverProtection |

| CAPACITANCE                               |                 |                  |
|-------------------------------------------|-----------------|------------------|
| PARAMETER                                 | PUBLISHED VALUE | CONDITION / NOTE |
| Grid-1 capacitance                        | 6.3 pF          | —                |
| Cathode capacitance                       | 6.3 pF          | —                |
| Anode/grid-2 to outer-coating capacitance | 450 pF          | —                |

| CHARACTERISTIC                 |                 |                  |
|--------------------------------|-----------------|------------------|
| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE |
| Focusing ampere-turns at 25 kV | 920 A-turns     | —                |

| PARAMETER                       | PUBLISHED VALUE | CONDITION / NOTE |
|---------------------------------|-----------------|------------------|
| Grid-1 cutoff-voltage magnitude | 40–90 V         | —                |



SOURCE DATA APPENDIX

## SOURCE OPERATING CONDITIONS

# 1999 Philips E-Z

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

1999 PHILIPS E-Z

## Section 1 · Cathode Ray

| CHARACTERISTICS          |                 |                  |
|--------------------------|-----------------|------------------|
| PARAMETER                | PUBLISHED VALUE | CONDITION / NOTE |
| Heater voltage           | 6.3 V           | —                |
| Heater current           | 300 mA          | —                |
| Grid No.1 cutoff voltage | -40 to -90 V    | —                |

| CONSTRUCTION           |                   |                  |
|------------------------|-------------------|------------------|
| PARAMETER              | PUBLISHED VALUE   | CONDITION / NOTE |
| Useful screen diameter | 55 mm             | —                |
| Deflection method      | Magnetic          | —                |
| Focusing method        | Magnetic          | —                |
| Screen construction    | Projection screen | —                |

| OTHER                                              |                 |                  |
|----------------------------------------------------|-----------------|------------------|
| PARAMETER                                          | PUBLISHED VALUE | CONDITION / NOTE |
| Operating anode voltage                            | 25000 V         | —                |
| Maximum anode voltage                              | 25000 V         | —                |
| Maximum average beam current                       | 200 uA          | —                |
| Required X-ray shielding equivalent lead thickness | 0.5 mm          | —                |

| CAPACITANCE           |                 |                  |
|-----------------------|-----------------|------------------|
| PARAMETER             | PUBLISHED VALUE | CONDITION / NOTE |
| Grid No.1 capacitance | 6.3 pF          | —                |

| PARAMETER                                | PUBLISHED VALUE | CONDITION / NOTE |
|------------------------------------------|-----------------|------------------|
| Cathode capacitance                      | 6.3 pF          | —                |
| Anode/grid2 to outer coating capacitance | 450 pF          | —                |

## TUBE TINKER

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