

ELECTRONIC TUBE REFERENCE

4349

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA  
1 SECTION  
CONSTRUCTION  
SURGEPROTECTOR

Gas-discharge surge arrester designed to protect lines and electronic apparatus against transient overvoltage by conducting when the applied voltage exceeds its protective threshold.

GENERAL CHARACTERISTICS

|                     |                        |                      |               |
|---------------------|------------------------|----------------------|---------------|
| BASE DESIGNATION    | —                      | BASE PINS            | —             |
| NOMINAL HEATER      | — / —                  | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect; cold cathode | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes      | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                                             |
|-------------------------------------------------------------------------------------------------------------|
| SECTION1 SurgeProtector                                                                                     |
| No fixed ratings recorded.                                                                                  |
| Published ratings and characteristics promoted from the supplied Philips source where explicitly available. |

Gas-discharge surge arrester for protection of lines and apparatus against transient overvoltage.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1957 Philips Receiving and Amplifying Tubes

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

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

## Section 1 · SurgeProtector

| CHARACTERISTIC |                 |                  |
|----------------|-----------------|------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE |
| DeviceFunction | SurgeArrester   | GasDischarge     |



## 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 · SurgeProtector

| OTHER                      |                 |                  |
|----------------------------|-----------------|------------------|
| PARAMETER                  | PUBLISHED VALUE | CONDITION / NOTE |
| Starting voltage           | 130–180 V       | —                |
| Maximum continuous current | 25 mA           | —                |

| CHARACTERISTICS               |                 |                  |
|-------------------------------|-----------------|------------------|
| PARAMETER                     | PUBLISHED VALUE | CONDITION / NOTE |
| Minimum extinguishing voltage | 110 V           | —                |

## TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,  
and their source documents.

