



## ELECTRONIC TUBE REFERENCE

## 25DK3

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

## 1 SECTION

CONSTRUCTION

## RECTIFIER

Series-heater television damper diode intended for horizontal-deflection energy recovery, providing high inverse-voltage capability and controlled warm-up for receiver sweep circuits.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | E9-89             | BASE PINS            | 9             |
| NOMINAL HEATER      | 25 V / 450 mA     | PARALLEL HEATER      | – / –         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                  |        |
|----------------------------------------------------------------------------------------------------------------------------------|--------|
| SECTION 1 Rectifier                                                                                                              |        |
| MAXIMUM CATHODE CURRENT                                                                                                          | 400 mA |
| PEAK INVERSE VOLTAGE                                                                                                             | 6500 V |
| PEAK FORWARD CURRENT                                                                                                             | 1.2 A  |
| <i>TV damping diode. Peak inverse plate voltage 6.5 kV; 1.2-A steady-state peak plate current and 400-mA DC rating retained.</i> |        |

The 25DK3 is a heater-cathode diode intended for damping-diode service in color-TV horizontal-deflection circuits and is rated for 6.5 kV peak inverse voltage.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

## Section 1 · Rectifier

| OTHER                           |                 |                  |
|---------------------------------|-----------------|------------------|
| PARAMETER                       | PUBLISHED VALUE | CONDITION / NOTE |
| Plate Dissipation               | 9 W             | TVDamperService  |
| Steady-State Peak Plate Current | 1200 mA         | TVDamperService  |

### TUBE TINKER

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and their source documents.

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