

Miniature gas-filled cold-cathode triode designed for relay and pulse-control switching applications.

### 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 Triode                              |       |
| MAXIMUM PLATE VOLTAGE                        | 140 V |
| Cold-cathode relay triode discharge section. |       |

The Ferranti GK32 is a miniature gas-filled cold-cathode triode designed for relay and pulse-control applications.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1963 Ferranti

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

1963 FERRANTI

## Section 1 · Triode

| OTHER                           |                 |                               |
|---------------------------------|-----------------|-------------------------------|
| PARAMETER                       | PUBLISHED VALUE | CONDITION / NOTE              |
| Maximum Anode Voltage           | 140 V           | —                             |
| Maximum Peak Anode Current      | 20 mA           | —                             |
| Maximum Grid/Trigger Current    | 0.5 mA          | —                             |
| Typical Anode Voltage           | 135 V           | —                             |
| Typical Static Bias             | 80 V            | Positive                      |
| Typical Trigger Pulse Amplitude | 20 V            | Approximate/Maximum as source |

| CHARACTERISTICS            |                   |                  |
|----------------------------|-------------------|------------------|
| PARAMETER                  | PUBLISHED VALUE   | CONDITION / NOTE |
| Trigger Voltage            | 85-98 V           | —                |
| Anode-Cathode Voltage Drop | 80 V              | Approximate      |
| Minimum Transfer Current   | 10uA minimum text | —                |
| Average Recovery Time      | 0.001 s           | —                |

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