

ELECTRONIC TUBE REFERENCE

RE689

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA  
1 SECTION  
CONSTRUCTION  
RELAYCONTROL SWITCH

Electrostatic relay for electronic switching and control. Electrostatic force operates the sealed switching mechanism without a conventional electromagnetic relay coil.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

|                                        |
|----------------------------------------|
| SECTION1 RelayControlSwitch            |
| No fixed ratings recorded.             |
| Electrostatic relay/sensing structure. |

The RE689 is an electrostatic relay for measuring charges around 10^-9 C or currents around 10^-11 A from high-impedance sources.



SOURCE OPERATING CONDITIONS

# 1958 Compagnie General

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

1958 COMPAGNIE GENERAL

## Section 1 · RelayControlSwitch

| CHARACTERISTICS         |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Charge Sensitivity      | 1e-9 C          | —                |
| Current Sensitivity     | 0.00000001 mA   | —                |
| Typical Load Resistance | 10 Mohm         | —                |

### TUBE TINKER

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

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