



## ELECTRONIC TUBE REFERENCE

## GL7171

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

## 1 SECTION

CONSTRUCTION

## IGNITRONPOWERSWITCH

Sealed stainless-steel-jacketed ignitron for capacitor-discharge and DC short-circuiting switch service. Controlled mercury discharge handles extremely high pulse currents.

## 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

|                                                                                                                                     |      |
|-------------------------------------------------------------------------------------------------------------------------------------|------|
| SECTION 1 IgnitronPowerSwitch                                                                                                       |      |
| MAXIMUM PLATE VOLTAGE                                                                                                               | 10 V |
| <i>Promoted fields mapped from printed ratings/characteristics headings; specialized published data retained in parameter rows.</i> |      |

Sealed stainless-steel jacketed ignitron for capacitor-discharge and DC short-circuiting switch service.

## 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 · IgnitronPowerSwitch

| OTHER     |                 |                  |
|-----------|-----------------|------------------|
| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
| ET-T      | 1512 A          | ET-T1512A        |

  

| CAPACITANCE                                 |                 |                                                             |
|---------------------------------------------|-----------------|-------------------------------------------------------------|
| PARAMETER                                   | PUBLISHED VALUE | CONDITION / NOTE                                            |
| Maximum Duration. . . . . i                 | 0.002 Seconds   | Maximum Duration. . . . . i 0.002 Seconds                   |
| Tonization Time                             | 0.5 us          | Tonization Time. . . . . 0.5 Microseconds                   |
| Maximum Duration. . . . . t                 | 0.002 Seconds   | Maximum Duration. . . . . t 0.002 Seconds                   |
| Tonization THIME. . . . . e                 | 0.5 us          | Tonization THIME. . . . . e 0.5 Microseconds                |
| Length of Firing Pulse, sinewave. . . . . 5 | 10 us           | Length of Firing Pulse, sinewave. . . . . 5 10 Microseconds |
| ET-T                                        | 1512 A          | ET-T1512A                                                   |
| ET-T                                        | 1512 A          | ET-T1512A                                                   |