

ELECTRONIC TUBE REFERENCE

7437

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA  
1 SECTION  
CONSTRUCTION  
TRIODE

Reliable subminiature flying-lead triode for guided-weapon and severe-environment military equipment.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | B8D/F             | BASE PINS            | 8             |
| NOMINAL HEATER      | 6.3 V / 150 mA    | PARALLEL HEATER      | – / –         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                                                                                                   |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SECTION1 Triode                                                                                                                                                   |          |
| TRANSCONDUCTANCE                                                                                                                                                  | 0.0042 S |
| AMPLIFICATION FACTOR                                                                                                                                              | 20       |
| MAXIMUM PLATE VOLTAGE                                                                                                                                             | 190 V    |
| MAXIMUM PLATE DISSIPATION                                                                                                                                         | 3 W      |
| MAXIMUM CATHODE CURRENT                                                                                                                                           | 20 mA    |
| Promoted values are taken directly from the supplied datasheet; additional ratings, characteristics and operating points are preserved in TUBE_SECTION_PARAMETER. |          |

Reliable subminiature triode with flying leads for guided-weapon equipment.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1963 Mullard

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

## 1963 MULLARD

## Section 1 · Triode

**OTHER**

| PARAMETER                    | PUBLISHED VALUE | CONDITION / NOTE |
|------------------------------|-----------------|------------------|
| Plate supply voltage maximum | 350 V           | —                |

**CAPACITANCE**

| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
|---------------------------|-----------------|------------------|
| Plate-to-grid capacitance | 2.1 pF          | ExternalShield   |
| Input capacitance         | 2 pF            | ExternalShield   |
| Output capacitance        | 2.8 pF          | ExternalShield   |

**CHARACTERISTICS**

| PARAMETER                    | PUBLISHED VALUE | CONDITION / NOTE        |
|------------------------------|-----------------|-------------------------|
| Plate voltage                | 100 V           | —                       |
| Plate current                | 8 mA            | —                       |
| Transconductance             | 4200 uS         | —                       |
| Amplification factor         | 20 ratio        | —                       |
| Control-grid voltage         | -3 V            | —                       |
| Maximum noise output voltage | 100 mV          | Vibration=20g;60-1000Hz |