



## ELECTRONIC TUBE REFERENCE

## 3A147J

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Grounded-grid UHF oscillator triode designed for operation to approximately 750 MHz.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 4 V / 700 mA      | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                  |         |
|----------------------------------|---------|
| SECTION 1 Triode                 |         |
| TRANSCONDUCTANCE                 | 0.005 S |
| AMPLIFICATION FACTOR             | 35      |
| MAXIMUM PLATE VOLTAGE            | 350 V   |
| MAXIMUM PLATE DISSIPATION        | 6 W     |
| MAXIMUM GRID DISSIPATION         | 0.5 W   |
| MAXIMUM CATHODE CURRENT          | 28 mA   |
| Grounded-grid oscillator triode. |         |

Grounded-grid UHF oscillator triode, equivalent to 3A/I47J.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1947 Standard Valves

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

## 1947 STANDARD VALVES

## Section 1 · Triode

| CAPACITANCE               |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Anode-grid capacitance    | 1.4 pF          | —                |
| Anode-cathode capacitance | 0.4 pF          | —                |
| Grid-cathode capacitance  | 4.2 pF          | —                |

| OTHER                   |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum anode current   | 28 mA           | —                |
| Oscillator output power | 1–2 W           | 550 to 650 MHz   |

## TUBE TINKER

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

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