



## ELECTRONIC TUBE REFERENCE

## 6L4

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

## 1 SECTION

CONSTRUCTION

## TRIODE

UHF oscillator triode similar to 6F4, with higher plate voltage capability and lower grid-to-plate capacitance.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | 7BR               | BASE PINS            | 7             |
| NOMINAL HEATER      | 6.3 V / 225 mA    | PARALLEL HEATER      | – / –         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                                    |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| SECTION 1 Triode                                                                                                                                   |               |
| PLATE RESISTANCE                                                                                                                                   | 4400 $\Omega$ |
| TRANSCONDUCTANCE                                                                                                                                   | 0.0064 S      |
| AMPLIFICATION FACTOR                                                                                                                               | 28            |
| MAXIMUM PLATE VOLTAGE                                                                                                                              | 500 V         |
| <i>Promoted from printed maximum-rating/characteristic columns; additional published operating points and capacitances retained as parameters.</i> |               |

UHF oscillator triode similar to 6F4 with higher plate voltage and lower grid-to-plate capacitance.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 195X General Electric Essential Characteristics

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

## 195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

## Section 1 · Triode

| CAPACITANCE               |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Input capacitance         | 0.5 pF          | Section1         |
| Output capacitance        | 1.8 pF          | Section1         |
| Grid-to-plate capacitance | 1.6 pF          | Section1         |

| OTHER            |                 |                  |
|------------------|-----------------|------------------|
| PARAMETER        | PUBLISHED VALUE | CONDITION / NOTE |
| Plate voltage    | 80 V            | ClassA           |
| Cathode resistor | 150 $\Omega$    | ClassA           |
| Plate current    | 9.5 mA          | ClassA           |

| CHARACTERISTIC       |                    |                  |
|----------------------|--------------------|------------------|
| PARAMETER            | PUBLISHED VALUE    | CONDITION / NOTE |
| Plate resistance     | 4400 $\Omega$      | ClassA           |
| Transconductance     | 6400 $\mu\text{S}$ | ClassA           |
| Amplification factor | 28                 | ClassA           |

# 1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

## Section 1 · Triode

| APPLICATION |                            |                  |
|-------------|----------------------------|------------------|
| PARAMETER   | PUBLISHED VALUE            | CONDITION / NOTE |
| Application | UHF oscillator / amplifier | —                |

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