



## ELECTRONIC TUBE REFERENCE

6386

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Special-quality medium-mu twin triode with closely matched sections for remote-cutoff cascode RF/IF amplifier and mixer service, emphasizing mechanical strength, reliability, and stable gain-control performance.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | E9-1              | BASE PINS            | 9             |
| NOMINAL HEATER      | 6.3 V / 350 mA    | PARALLEL HEATER      | – / –         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                                                     |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| SECTION1 Triode                                                                                                                                                     |               |
| PLATE RESISTANCE                                                                                                                                                    | 4250 $\Omega$ |
| TRANSCONDUCTANCE                                                                                                                                                    | 0.004 S       |
| AMPLIFICATION FACTOR                                                                                                                                                | 17            |
| MAXIMUM PLATE VOLTAGE                                                                                                                                               | 300 V         |
| MAXIMUM PLATE DISSIPATION                                                                                                                                           | 1.5 W         |
| MAXIMUM CATHODE CURRENT                                                                                                                                             | 18 mA         |
| <i>Promoted from clearly identified printed ratings/characteristics; additional published operating points and capacitances retained in TUBE_SECTION_PARAMETER.</i> |               |

|                                                                                         |               |
|-----------------------------------------------------------------------------------------|---------------|
| <b>SECTION2</b> Triode                                                                  |               |
| <b>PLATE RESISTANCE</b>                                                                 | 4250 $\Omega$ |
| <b>TRANSCONDUCTANCE</b>                                                                 | 0.004 S       |
| <b>AMPLIFICATION FACTOR</b>                                                             | 17            |
| <b>MAXIMUM PLATE VOLTAGE</b>                                                            | 300 V         |
| <b>MAXIMUM PLATE DISSIPATION</b>                                                        | 1.5 W         |
| <b>MAXIMUM CATHODE CURRENT</b>                                                          | 18 mA         |
| <i>Second identical physical triode section; added to align rows with SectionCount.</i> |               |

The 6386 is a miniature medium-mu twin triode with closely matched sections intended for remote-cutoff cascode RF/IF amplifier and mixer service. It is a special-quality industrial tube emphasizing mechanical strength, reliability, and stable cascode performance.



## 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         | 2 pF            | EachSection      |
| Output capacitance        | 1.1 pF          | EachSection      |
| Grid-to-plate capacitance | 1.2 pF          | EachSection      |

| OTHER            |                 |                    |
|------------------|-----------------|--------------------|
| PARAMETER        | PUBLISHED VALUE | CONDITION / NOTE   |
| Plate voltage    | 100 V           | ClassA;EachSection |
| Cathode resistor | 200 $\Omega$    | ClassA;EachSection |
| Plate current    | 9.6 mA          | ClassA;EachSection |

| CHARACTERISTIC       |                    |                  |
|----------------------|--------------------|------------------|
| PARAMETER            | PUBLISHED VALUE    | CONDITION / NOTE |
| Plate resistance     | 4250 $\Omega$      | EachSection      |
| Transconductance     | 4000 $\mu\text{S}$ | EachSection      |
| Amplification factor | 17                 | EachSection      |



## 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

| OTHER                                                   |                 |                  |
|---------------------------------------------------------|-----------------|------------------|
| PARAMETER                                               | PUBLISHED VALUE | CONDITION / NOTE |
| The                                                     | 6386 C          | —                |
| Pin                                                     | 2 C             | —                |
| GENERAL Pin                                             | 3 C             | —                |
| Pin                                                     | 7 C             | —                |
| Gridto Grid ovvii it it it<br>ieenoanas                 | 0.003 C         | —                |
| Plate Voltage o i i i e e e<br>ett e e e                | 300 V           | —                |
| Plate Dissipation i i i e et<br>et e                    | 1.5 W           | —                |
| I When the GL                                           | 6386 C          | —                |
| voltage of the grounded-grid<br>stage may be as high as | 250 V           | —                |

| CHARACTERISTIC              |                 |                                  |
|-----------------------------|-----------------|----------------------------------|
| PARAMETER                   | PUBLISHED VALUE | CONDITION / NOTE                 |
| Plate Vol age o e e e e e i | 100 V           | CLASS A; AMPLIFIER, EACH SECTION |
| Esig                        | 1 V             | CLASS A; AMPLIFIER, EACH SECTION |
| Ef                          | 7.5 V           | CLASS A; AMPLIFIER, EACH SECTION |
| E4                          | 6.3 V           | CLASS A; AMPLIFIER, EACH SECTION |
| Ep                          | 250 V           | CLASS A; AMPLIFIER, EACH SECTION |
| GRID-NUMBER                 | 1 V             | CLASS A; AMPLIFIER, EACH SECTION |
| VM NN L E                   | 6.3 V           | CLASS A; AMPLIFIER, EACH SECTION |
| HH e                        | 6.3 V           | CLASS A; AMPLIFIER, EACH SECTION |
| N N Ef                      | 6.3 V           | CLASS A; AMPLIFIER, EACH SECTION |

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