



## ELECTRONIC TUBE REFERENCE

## AX9902

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Industrial transmitting power triode intended for RF amplification, oscillation, or modulation. Manufacturer data emphasize substantial plate power, professional transmitter operation, and construction suited to continuous high-power service.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 10 V / 10 A       | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                                                                                                |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| SECTION1 Triode                                                                                                                                                                                                |        |
| AMPLIFICATION FACTOR                                                                                                                                                                                           | 27     |
| MAXIMUM PLATE VOLTAGE                                                                                                                                                                                          | 4000 V |
| MAXIMUM PLATE DISSIPATION                                                                                                                                                                                      | 450 W  |
| <i>Promoted only where the locked section schema has a direct semantic match; device-specific thyatron, magnetron, transmitting-tube, ignitron, and broadband data are retained in TUBE_SECTION_PARAMETER.</i> |        |

Radiation- or forced-air-cooled high-frequency transmitting triode with a rugged 100 W filament.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1958 Amperex Industrial

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

## 1958 AMPEREX INDUSTRIAL

## Section 1 · Triode

| CHARACTERISTIC       |                 |                                    |
|----------------------|-----------------|------------------------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE                   |
| Filament voltage     | 10 V            | Published transmitting-tube rating |
| Filament current     | 10 A            | Published transmitting-tube rating |
| Amplification factor | 27              | Published power-tube table         |

| OTHER                     |                 |                            |
|---------------------------|-----------------|----------------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE           |
| Maximum plate dissipation | 450 W           | Published power-tube table |
| Plate voltage             | 4000 V          | TransmittingService        |
| Plate current             | 475 mA          | TransmittingService        |
| Power output              | 1673 W          | TransmittingService        |
| Grid bias                 | -350 V          | TransmittingService        |
| Grid current              | 100 mA          | TransmittingService        |
| Maximum frequency         | 100 MHz         | FullInputWatts             |