



## ELECTRONIC TUBE REFERENCE

# C1149A

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**

CONSTRUCTION

**BEAMPOWER**

High-vacuum radial-beam pulse tetrode for power-amplifier pulse modulators, with improved X-ray shielding and hundreds of kilowatts typical pulse output.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 26 V / 2.15 A     | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                             |         |
|-----------------------------|---------|
| <b>SECTION 1</b> Beam Power |         |
| MAXIMUM PLATE VOLTAGE       | 20000 V |
| MAXIMUM SCREEN VOLTAGE      | 1500 V  |
| MAXIMUM CATHODE CURRENT     | 18 A    |

High-vacuum radial-beam tetrode for power-amplifier pulse modulators; C1149A adds improved X-ray shielding.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1971 English Electric Valve

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

## 1971 ENGLISH ELECTRIC VALVE

## Section 1 · Beam Power

| OTHER                      |                 |                  |
|----------------------------|-----------------|------------------|
| PARAMETER                  | PUBLISHED VALUE | CONDITION / NOTE |
| Pulse anode current        | 18 A            | Pulse            |
| Duty cycle                 | 0.001           | Pulse            |
| Typical pulse output power | 330 kW          | Pulse            |

## TUBE TINKER

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

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