



## ELECTRONIC TUBE REFERENCE

# 6DQ6

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**

CONSTRUCTION

**BEAMPOWER**

Beam-power horizontal-deflection output pentode designed for television line-output service.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 1.2 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                                                                                                                                                                                        | 700 V  |
| MAXIMUM SCREEN VOLTAGE                                                                                                                                                                                       | 175 V  |
| MAXIMUM PLATE DISSIPATION                                                                                                                                                                                    | 15 W   |
| MAXIMUM SCREEN DISSIPATION                                                                                                                                                                                   | 3.2 W  |
| MAXIMUM CATHODE CURRENT                                                                                                                                                                                      | 150 mA |
| <i>Published Westinghouse maximum ratings, characteristics, pulse/deflection values, capacitances, and typical operating conditions promoted where applicable; additional values retained as parameters.</i> |        |

Beam-power horizontal-deflection output pentode for television line-output service.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1965 Westinghouse Data Book

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

## 1965 WESTINGHOUSE DATA BOOK

## Section 1 · Beam Power

| OTHER                                     |                 |                  |
|-------------------------------------------|-----------------|------------------|
| PARAMETER                                 | PUBLISHED VALUE | CONDITION / NOTE |
| Peak positive plate voltage maximum       | 6000 V          | Pulse            |
| Peak negative pulse plate voltage maximum | -1000 V         | Pulse            |
| Average cathode current maximum           | 150 mA          | —                |
| Peak cathode current maximum              | 500 mA          | Pulse            |
| Grid2 dissipation maximum                 | 3.2 W           | —                |
| Typical plate voltage                     | 250 V           | —                |
| Typical grid2 voltage                     | 150 V           | —                |

| CHARACTERISTICS  |                 |                  |
|------------------|-----------------|------------------|
| PARAMETER        | PUBLISHED VALUE | CONDITION / NOTE |
| Transconductance | 6500 uS         | —                |

| APPLICATION |                                        |                  |
|-------------|----------------------------------------|------------------|
| PARAMETER   | PUBLISHED VALUE                        | CONDITION / NOTE |
| Application | Horizontal-deflection output amplifier | —                |

## TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)