



ELECTRONIC TUBE REFERENCE

9BJ11

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-PENTODE

Duodecar two-section television video-IF tube combining a high-transconductance sharp-cutoff pentode input stage with a separate beam-power output section.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	40000 Ω
TRANSCONDUCTANCE	0.0075 S
MAXIMUM PLATE VOLTAGE	160 V
MAXIMUM SCREEN VOLTAGE	160 V
MAXIMUM PLATE DISSIPATION	2.8 W
MAXIMUM SCREEN DISSIPATION	1.25 W

Published ratings and characteristics promoted semantically from the approved source.

SECTION2 Beam Power	
PLATE RESISTANCE	40000 Ω
TRANSCONDUCTANCE	0.0096 S
MAXIMUM PLATE VOLTAGE	160 V
MAXIMUM SCREEN VOLTAGE	160 V
MAXIMUM PLATE DISSIPATION	2.2 W
MAXIMUM SCREEN DISSIPATION	0.66 W
<i>Published ratings and characteristics promoted semantically from the approved source.</i>	

Duodecar two-section television video-IF tube combining a sharp-cutoff pentode input section and a beam-power output section.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	40000 ohm	—
Transconductance	7500 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	160 V	—
Maximum Screen Voltage	160 V	—
Maximum Plate Dissipation	2.8 W	—
Maximum Screen Dissipation	1.25 W	—
Plate Supply Voltage	110 V	PentodeSection
Screen Voltage	110 V	PentodeSection
Plate Current	6.8 mA	PentodeSection

1950 SYLVANIA

Section 2 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	40000 ohm	—
Transconductance	9600 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	160 V	—
Maximum Screen Voltage	160 V	—
Maximum Plate Dissipation	2.2 W	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Screen Dissipation	0.66 W	—
Plate Supply Voltage	126 V	BeamPowerSection
Screen Voltage	125 V	BeamPowerSection
Plate Current	8.5 mA	BeamPowerSection