



ELECTRONIC TUBE REFERENCE

C3B

Voltage Pentode - Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

European receiving pentode for small-signal voltage amplification, combining useful transconductance with high plate resistance.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	4 V / 1.1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	700000 Ω
TRANSCONDUCTANCE	0.0035 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.7 W
<i>Published ratings and characteristics promoted from the approved source.</i>	

A 4 V receiving pentode with 150 V screen operation, 3.5 mA/V transconductance and a 2 W maximum anode dissipation.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	220 V	—
Screen-grid voltage	150 V	—
Cathode resistance	175 Ω	—
Anode current	8 mA	—
Screen-grid current	2.5 mA	—
Cold anode voltage maximum	400 V	—
Cold screen-grid voltage maximum	400 V	—
Grid leak resistance maximum	400 k Ω	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	6 mpF	—