



ELECTRONIC TUBE REFERENCE

R165

Voltage Pentode - High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Long-life professional pentode designed for voltage amplification, with high-frequency or wideband service where specified by the manufacturer.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	18 V / 105 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	100000 Ω
TRANSCONDUCTANCE	0.017 S
MAXIMUM PLATE VOLTAGE	180 V
MAXIMUM SCREEN VOLTAGE	180 V
MAXIMUM PLATE DISSIPATION	2.6 W
MAXIMUM SCREEN DISSIPATION	0.7 W
<i>Published ratings and characteristics promoted from the approved source.</i>	

Very-high-transconductance pentode for wideband voltage amplification.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 La Radiotechnique

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

1953 LA RADIOTECHNIQUE

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	18 V	Nominal
HeaterCurrentNominal	105 mA	Nominal
Maximum Plate Voltage	180 V	—
Maximum Screen Voltage	180 V	—
Maximum Plate Dissipation	2.6 W	—
Maximum Screen Dissipation	0.7 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	17000 μS	Typical
Plate Resistance	100000 ohm	Typical