



ELECTRONIC TUBE REFERENCE

R122N

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	9
NOMINAL HEATER	18 V / 225 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	1000000 Ω
TRANSCONDUCTANCE	0.00555 S
MAXIMUM PLATE VOLTAGE	225 V
MAXIMUM SCREEN VOLTAGE	225 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	12 mA
<i>Pentode section; promoted values are taken from the approved source where explicitly published.</i>	

Long-life voltage-amplifier pentode.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
indirect (cathode isolee du filament)	18 V	Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	200 V	Pentode
Screen-grid voltage	200 V	Pentode
Suppressor-grid voltage	0 V	Pentode
Control-grid voltage	22 V	Pentode
Plate current	8 mA	Pentode
Screen-grid current	416 mA	Pentode
Plate resistance	1 Mohm	Pentode
_Transconductance	5.55 mA/V	Pentode
Plate voltage	225 V	Pentode
Screen-grid voltage	225 V	Pentode
Plate dissipation	2 W	Pentode
Screen-grid dissipation	5 W	Pentode
Cathode current	12 mA	Pentode
Grid-circuit resistance 1	1 Mohm	Pentode
Heater-cathode voltage	50 V	Pentode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	95 pF	Pentode

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output capacitance	95 pF	Pentode
Coupling capacitance	0.03 pF	Pentode
Input capacitance	124 pF	Pentode