



ELECTRONIC TUBE REFERENCE

R120

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-mu La Radiotechnique audio power triode for single-ended and symmetrical Class A amplifier service. Low plate resistance, useful transconductance, and approximately 15 W plate dissipation support moderate high-quality audio output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.45 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	840 Ω
TRANSCONDUCTANCE	0.0064 S
AMPLIFICATION FACTOR	5.4
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM CATHODE CURRENT	90 mA
<i>Triode section; promoted values are taken from the approved source where explicitly published.</i>	

Power-amplifier triode for single-ended and symmetrical Class-A amplifier service.

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	Triode
Plate current	60 mA	Triode
Output power	35 W	Triode
es Ve 23,5 V ett	23.5 V	Triode
Tension par anode	250 V	Triode
Plate current	0 mA	Triode
Output power	5 W	Triode
Input voltage	20 V	Triode
Plate voltage	300 V	Triode
Plate dissipation	15 W	Triode
Grid-circuit resistance	0.7 Mohm	Triode
Cathode current	90 mA	Triode
Tension entre tilament et cathode	50 V	Triode
Cathode-bias resistance	600 ohm	Triode
Plate resistance	840 ohm	Triode
Load impedance	2500 ohm	Triode
Cathode-bias resistance	300 ohm	Triode
Load impedance	5000 ohm	Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	18.5 pF	Triode