



ELECTRONIC TUBE REFERENCE

R125C

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

Long-life voltage-amplifier triode incorporating two diode sections, intended for dependable detector and amplification service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	18 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	13000 Ω
TRANSCONDUCTANCE	0.0025 S
AMPLIFICATION FACTOR	32.5
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	10 mA
Triode section; promoted values are taken from the approved source where explicitly published.	

SECTION2 Diode	
PEAK INVERSE VOLTAGE	150 V
NOMINAL OUTPUT CURRENT	1.5 mA
Diode section; promoted values are taken from the approved source where explicitly published.	

SECTION3 Diode

No fixed ratings recorded.

Physical diode section added during approved section-structure reconciliation.

Long-life voltage-amplifier triode with two diode sections.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Indirect (cathode isolee du filament)	18 V	Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	Triode
Tension de la grille	5.5 V	Triode
Plate current	5 mA	Triode
Plate resistance	0 ohm	Triode
Plate voltage	275 V	Triode
Plate dissipation	1.5 W	Triode
Cathode current	10 mA	Triode

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Section 2 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ldj	1 Mohm	Diode
Ida	1 Mohm	Diode
Courant de la diode 1	15 mA	Diode
Courant de la diode P,	1.5 mA	Diode
ldo	1 Mohm	Diode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	8 pF	Diode
Output capacitance	12 pF	Diode
Capacite anode-grille	2 pF	Diode
Capacite de la diode 1	4 pF	Diode
Capacite de la diode 2	4 pF	Diode
Capacite diode 1 - diode 2	1 pF	Diode
Input capacitance	105 pF	Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Indirect (cathode isolee du filament)	18 V	Diode

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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