

ELECTRONIC TUBE REFERENCE

4671

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Acorn triode for high-frequency amplification, oscillator, and detector service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	WITHOUTBASE-XIII	BASE PINS	–
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	12500 Ω
TRANSCONDUCTANCE	0.002 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	10 mA
<i>Promoted only from clearly identified published characteristics/limits; additional operating, capacitance, regulator, gas-tube, and push-pull data retained as section parameters.</i>	

Acorn triode for HF amplification, oscillator, and detector service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Philips Miniwatt Vacuum Tube Catalog

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

1938 PHILIPS MINIWATT VACUUM TUBE CATALOG

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	4.5 mA	UHF Amplifier
Control-grid voltage	-6 V	UHF Amplifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	12500 Ω	UHF Amplifier
Transconductance	2000 μS	UHF Amplifier
Amplification factor	25	UHF Amplifier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.4 pF	Section 1
Plate-to-cathode capacitance	0.6 pF	Section 1
Grid-to-cathode capacitance	1 pF	Section 1



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HF amplifier plate voltage operating	90 V	—
HF amplifier plate current	2.5 mA	—
HF amplifier grid voltage	-2.5 V	—
Alternate plate voltage operating	135 V	—
Alternate plate current	3.5 mA	—
Alternate grid voltage	-3.75 V	—
Plate voltage maximum	180 V	—
Plate dissipation maximum	1.5 W	—
Cathode current maximum	10 mA	—
Grid current maximum	2 mA	—
Grid circuit resistance maximum	5 Mohm	—
Heater-cathode voltage maximum	50 V	—
Heater-cathode resistance maximum	20000 ohm	—
Detector plate voltage - anode bend	180 V	—
Detector grid voltage - anode bend	-7 V	—
Detector plate voltage - leaky grid	45 V	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HF amplifier amplification factor	25	—
HF amplifier transconductance	1.7 mA/V	—
HF amplifier plate resistance	14700 ohm	—
Alternate transconductance	1.9 mA/V	—
Alternate plate resistance	13200 ohm	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	HF amplifier / oscillator / detector	—

TUBE TINKER

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and their source documents.

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