



ELECTRONIC TUBE REFERENCE

1LF3

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-filament-power directly heated medium-mu triode for battery-operated signal amplification and general receiving service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4AA	BASE PINS	4
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	11200 Ω
TRANSCONDUCTANCE	0.0013 S
AMPLIFICATION FACTOR	14.5
MAXIMUM PLATE VOLTAGE	110 V
Published handbook maximum ratings and representative operating characteristics reviewed.	

1LF3 is listed as a medium-mu triode in the supplied receiving-tube handbook. It uses a 1.4 V, 0.05 A directly heated filament. The handbook publishes maximum ratings and representative operating characteristics for its intended service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	Grid 0 V
Plate Current	4.5 mA	Grid 0 V
Plate Current	1.4 mA	Grid -3 V

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	11200 ohm	Grid 0 V
Transconductance	1300 μ S	Grid 0 V
Amplification Factor	14.5	Grid 0 V
Plate Resistance	19000 ohm	Grid -3 V
Transconductance	760 μ S	Grid -3 V



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	110 V	Published handbook rating
Plate voltage	90 V	ClassA
Control-grid voltage	0 V	ClassA
Plate current	4.5 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	11200 ohm	Published handbook characteristic
Transconductance	1300 μ S	Published handbook characteristic
Amplification factor	14.5	Published handbook characteristic
Filament voltage	1.4 V	DirectlyHeated DC filament
Filament current	50 mA	DirectlyHeated DC filament