



ELECTRONIC TUBE REFERENCE

7246

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated subminiature triode for oscillator and amplifier service to approximately 500 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	1.25 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0027 S
AMPLIFICATION FACTOR	22
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	0.7 W
MAXIMUM CATHODE CURRENT	7.5 mA
<i>Published electrical section from 7246.pdf; identical repeated sections compressed when applicable.</i>	

The 7246 is a four-lead subminiature filamentary triode designed for high-frequency oscillator, Class C amplifier, detector, frequency-multiplier and mixer service with very low heater power.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
The CK7246 is a	500 MHz	The CK7246 is a 500 megacycle, filament type triode of subminiature construction designed for use
Plate Voltage	150 V	Plate Voltage 150 volts
Plate Current	7.5 mA	Plate Current 7.5 ma.
Grid Current	1.2 mA	Grid Current 1.2 ma,
Grid Voltage	-30 V	Grid Voltage —30 volts
Plate Dissipation	0.7 W	Plate Dissipation 0.7 watts
Filament Voltage (dc)	1.25 V	Filament Voltage (dc) 1.25 volts
F ilament Current	150 mA	F ilament Current 150 ma,
Plate Voltage	105 V	Plate Voltage 105 volts
Grid Voltage	-2.5 V	Grid Voltage —2.5 volts
Transconductance	2700 μS	Transconductance 2700 pmhos
Plate Current	45 mA	Plate Current 45 ma

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current Maximum	7.5 mA	—
GridCurrentMaximum	1.2 mA	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Oscillator / Class C amplifier / detector / frequency multiplier / mixer	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyCapability	500 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid To Plate Capacitance	1.5 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 4 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.5 pF	WholeTube
Input capacitance	1.6 pF	WholeTube
Output capacitance	1.9 pF	WholeTube
Grid To Plate	1.5 pf	PublishedTable
Plate Voltage	15 VOLTS	PublishedTable
Plate Current	7.5 MA	PublishedTable
Grid Current	1.2 MA	PublishedTable
Grid	-3 VOLTS	PublishedTable
Plate Dissipation	7 WATTS	PublishedTable
Plate Voltage	105 voLTs	PublishedTable
Transconductance	200 uMHOS	PublishedTable
Plate Current	4.5 MA	PublishedTable

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	105 V	ClassA1
Grid voltage	-2.5 V	ClassA1
Plate current	4.5 mA	ClassA1

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker