

ELECTRONIC TUBE REFERENCE

7533

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Integral-cavity triode oscillator for transmitting and signal-generation service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6 V / 160 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	130 V
MAXIMUM PLATE DISSIPATION	3.6 W
MAXIMUM CATHODE CURRENT	34 mA
Published ratings and characteristics mapped semantically; identical repeated sections compressed.	

The 7533 is an integral-cavity triode oscillator assembly developed for transmitting service, combining a high-frequency triode with its resonant cavity structure.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Radiosonde oscillator	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	1660 MHz	—
Frequency maximum	1700 MHz	—
Nominal frequency	1680 MHz	—
Frequency adjustment range	20 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output approximate	575 mW	—
Ambient temperature minimum	-40 C	—
Ambient temperature maximum	22 C	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyMinimum	1660 MHz	—
FrequencyMaximum	1700 MHz	—
PlateInputPower	4 W	—
Grid Current	8 mA	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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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
Limitsof Applied Voltage	6.6 VOLTS	PublishedTable
Dc Plate-To-Grid Voltage	130 VOLTS	PublishedTable
Plate Dissipation	3.6 WATTS	PublishedTable
Plate Input	4 WATTS	PublishedTable
Dc Plate Current	34 MA	PublishedTable
Dc Grid Current	8 MA	PublishedTable
Dc Plate Supply Voltage	117 VOLTS	PublishedTable
Dc Plate Current	27 MA	PublishedTable
Dc Grid Current	4.5 MA	PublishedTable
Heater Current At Ef=5.2 V	157 MA	PublishedTable

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency	1680 MC	PublishedTable

SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 6 of 7

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

1971 RCA HB3 BINDER 6 OF 7

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tuning Frequency Minimum	1660 MHz	Cathode-driven radiosonde oscillator
Tuning Frequency Maximum	1700 MHz	Cathode-driven radiosonde oscillator

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate-to-Grid Voltage	130 V	Cathode-driven radiosonde oscillator
Maximum DC Plate Current	34 mA	Cathode-driven radiosonde oscillator
Plate Dissipation	3.6 W	Cathode-driven radiosonde oscillator
Typical DC Plate-to-Grid Voltage	124 V	Cathode-driven radiosonde oscillator
Typical Useful Power Output	575 mW	Cathode-driven radiosonde oscillator

TUBE TINKER

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and their source documents.

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