



ELECTRONIC TUBE REFERENCE

2C43

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

RCA disk-seal lighthouse triode for RF power amplification and continuous-wave or pulsed oscillator service. Low interelectrode inductance and compact construction permit useful operation into the microwave region, including oscillation around 1.5 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 910 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	6000 Ω
TRANSCONDUCTANCE	0.008 S
AMPLIFICATION FACTOR	48
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	12 W
Promoted values are taken from the printed ratings on the uploaded source; additional non-promoted values are retained in TUBE_SECTION_PARAMETER.	

The RCA 2C43 is a disk-seal lighthouse rf triode. The supplied source provides transmitting, RF, or rectifier ratings appropriate to this device.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	RF power amplifier / CW and pulsed oscillator	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate/Inverse Voltage	500 V	Source rating
Maximum Plate Dissipation	12 W	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum CW oscillator frequency	1500 MHz	—



SOURCE DATA APPENDIX

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltageNominal	6.3 V	—
HeaterOrFilamentCurrentNominal	910 mA	—
MaxPlateVoltage	500 V	—
MaxPlateDissipation	12 W	—

TUBE TINKER

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

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