



ELECTRONIC TUBE REFERENCE

958A

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated acorn transmitting triode for RF power amplification and oscillator service through approximately 350 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5BD	BASE PINS	5
NOMINAL HEATER	1.25 V / 100 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	10000 Ω
TRANSCONDUCTANCE	0.0012 S
AMPLIFICATION FACTOR	12
MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM PLATE DISSIPATION	0.6 W
MAXIMUM CATHODE CURRENT	7 mA
<i>Published maximum ratings and representative operating characteristics reviewed.</i>	

The 958A is a directly heated medium-mu acorn transmitting triode intended for RF power amplification and oscillation at frequencies up to 350 MHz. It uses a 1.25 V, 0.10 A coated filament and is rated for Class-C telegraphy service with up to 0.6 W plate dissipation.

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 operating frequency	350 MHz	RF amplifier / oscillator
DC grid voltage maximum	-30 V	ClassC
DC plate current maximum	7 mA	ClassC
DC grid current maximum	1 mA	ClassC
Plate input maximum	0.95 W	ClassC
Typical power output	0.6 W	ClassC

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	2.5 pF	—
Grid-to-filament capacitance	0.45 pF	—
Plate-to-filament capacitance	0.6 pF	—

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	135 V	Published handbook rating
Plate voltage	135 V	ClassA
Control-grid bias	7.5 V	ClassA
Plate current	3 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	10000 ohm	Published handbook characteristic
Transconductance	1200 μ S	Published handbook characteristic
Amplification factor	12	Published handbook characteristic
Heater/filament voltage	1.25 V	Published heater/filament rating
Heater/filament current	100 mA	Published heater/filament rating



SOURCE DATA APPENDIX

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	1.25 V	—
HeaterOrFilamentCurrent	50 mA	—
MaximumOperatingFrequency	350 MHz	Approximate/useful limit
Application	Transmitter RF amplifier and oscillator	—

TUBE TINKER

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and their source documents.

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