



ELECTRONIC TUBE REFERENCE

8003

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Transmitting power triode intended for RF amplifier and oscillator service, with manufacturer ratings emphasizing radio-frequency output, substantial plate loading, and professional transmitter operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 3.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	1850 V
MAXIMUM PLATE DISSIPATION	100 W
AF/RF transmitting triode.	

The RCA 8003 is a thoriated-tungsten power triode for AF amplification/modulation and RF amplification/oscillation.



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

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Full-Input Frequency	30 MHz	—
Maximum Reduced-Input Frequency	50 MHz	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AF Plate Voltage Maximum	1350 V	AFPowerAmplifier
RF Plate Voltage Maximum	1850 V	RFPowerAmplifier

TUBE TINKER

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