



ELECTRONIC TUBE REFERENCE

8000

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Medium-mu transmitting power triode designed for substantial Class B and RF output. With 175 W plate dissipation and 2.75 kV capability, a push-pull pair can provide roughly 725 W in published Class B operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	10 V / 4.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	16.5
MAXIMUM PLATE VOLTAGE	2750 V
MAXIMUM PLATE DISSIPATION	175 W
<i>Published source values promoted where applicable; additional published values retained as parameters.</i>	

The RCA 8000 is a high-power thoriated-tungsten triode for AF modulation and RF power service, with published push-pull Class B output up to about 725 W.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum full-rating frequency	30 MHz	—
Maximum signal power output	725 W	ClassB

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	100 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Push-Pull Power Output	725 W	ClassB; TwoTubes