



ELECTRONIC TUBE REFERENCE

8025A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-frequency transmitting power triode for VHF/UHF RF amplification. Manufacturer data permit full-input operation to about 500 MHz with appropriate cooling, making it a specialized high-frequency power device.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	6.3 V / 1.9 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	18
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	40 W
<i>Published ratings and characteristics promoted from the approved RCA source.</i>	

The RCA 8025A is a thoriated-tungsten RF power triode with filament mid-tap, usable at full input to 500 MHz with forced-air or natural-cooling ratings.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1940 RCA

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

1940 RCA

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RFPowerOutput	22 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	500 MHz	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Forced air	—



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	500 MHz	—
Reduced-Rating Frequency	600 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Dissipation Forced-Air CCS	40 W	ForcedAirCooling
Plate Dissipation Natural ICAS	30 W	NaturalCooling

TUBE TINKER

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