



ELECTRONIC TUBE REFERENCE

320A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Western Electric water-cooled transmitting triode for very-high-power Class B RF service. Published operation reaches tens of kilowatts of RF output, making it a tube for major fixed broadcast, communications, and industrial transmitter installations.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	35 V / 435 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0031 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM PLATE DISSIPATION	150000 W
<i>Values extracted from Western Electric summary tables; additional table data retained as parameters.</i>	

Water-cooled high-power transmitting triode for Class-B RF service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 Western Electric Tubes

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

1956 WESTERN ELECTRIC TUBES

Section 1 · Triode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube service	Transmitting tube	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Class-B RF power output	75000 W	ClassB

TUBE TINKER

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