



ELECTRONIC TUBE REFERENCE

363A

Power - Pentode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Western Electric directly heated air-cooled transmitting pentode designed for Class-C RF service. Its filamentary cathode and RF operating ratings identify it as a radio-frequency power tube.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.012 S
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM PLATE DISSIPATION	350 W
MAXIMUM CATHODE CURRENT	500 mA
<i>High-power transmitting pentode.</i>	

The Western Electric 363A is a directly heated air-cooled transmitting pentode for Class C 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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Current	500 mA	—
Maximum Frequency	35 MHz	—
Typical Maximum Power Output	1000 W	ClassC; RF

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	700 V	—
Typical Plate Current	500 mA	—

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and their source documents.

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