



ELECTRONIC TUBE REFERENCE

352A

Voltage - Triode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

Western Electric double-diode triode integrating two low-voltage rectifying sections with a medium-mu amplifier. All sections share a common cathode, supporting combined detection and subsequent signal amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	6
NOMINAL HEATER	10 V / 820 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode	
MAXIMUM PLATE VOLTAGE	10 V
Diode section; source limits positive diode-plate swing to +10 V.	
SECTION2 Diode	
MAXIMUM PLATE VOLTAGE	10 V
Diode section; source limits positive diode-plate swing to +10 V.	

SECTION3 Triode	
PLATE RESISTANCE	18000 Ω
TRANSCONDUCTANCE	0.00073 S
AMPLIFICATION FACTOR	13.2
MAXIMUM PLATE VOLTAGE	200 V
<i>Triode section; representative maximum-operating-condition values.</i>	

The Western Electric 352A is a double-diode triode with a 10 V heater and a triode section having amplification factor about 13.3.



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 3 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	135 V	—
Typical Plate Current	2.1 mA	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Power Output	0.042 W	ClassA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 300s

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

2026 WESTERN ELECTRIC 300S

Section 1 · Diode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diodes to cathode and heater shared	6.5 pF	SharedBothDiodes

2026 WESTERN ELECTRIC 300S

Section 2 · Diode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diodes to cathode and heater shared	6.5 pF	SharedBothDiodes

2026 WESTERN ELECTRIC 300S

Section 3 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Triode grid to plate	1.5 pF	—
Triode grid to cathode and heater	1.6 pF	—
Triode plate to cathode and heater	3.8 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum heater-cathode voltage	50 V	—
Microphonic noise mean level	-45 dB	PlateVoltage=135V;GridBias=-6V;LoadResistance=100000ohm