



ELECTRONIC TUBE REFERENCE

15A8

Power - TV Vertical Output electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-TRIODE

Combination medium-mu triode and beam pentode designed for television vertical-deflection oscillator and amplifier service, with controlled heater warm-up for series-string receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	15 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	7700 Ω
TRANSCONDUCTANCE	0.0026 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Promoted from published ratings/characteristics tables; additional operating points and capacitances retained in TUBE_SECTION_PARAMETER.</i>	

SECTION2 Beam Power	
PLATE RESISTANCE	13000 Ω
TRANSCONDUCTANCE	0.0073 S
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM SCREEN VOLTAGE	190 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	1.25 W
MAXIMUM CATHODE CURRENT	40 mA
<i>Promoted from published ratings/characteristics tables; additional operating points and capacitances retained in TUBE_SECTION_PARAMETER.</i>	

The 15A8 combines a medium-mu triode with a beam pentode for use as a television vertical-deflection oscillator and amplifier, with controlled heater warm-up characteristics.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical plate voltage	90 V	VerticalDeflection
Maximum plate voltage	300 V	PromotedValue
Maximum plate dissipation	2.5 W	PromotedValue
Maximum cathode current	20 mA	PromotedValue

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	4.5 pF	—
Input capacitance	2.2 pF	—
Output capacitance	0.9 pF	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	7700 ohm	PromotedValue
Transconductance	0.0026 A/V	PromotedValue
Amplification factor	20	PromotedValue

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Section 2 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical plate voltage	110 V	VerticalDeflection
Maximum peak positive pulse plate voltage	1200 V	VerticalDeflection
Maximum peak cathode current	140 mA	VerticalDeflection

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	PromotedValue
Maximum screen voltage	150 V	PromotedValue
Maximum plate dissipation	10 W	PromotedValue
Maximum screen dissipation	1.25 W	PromotedValue
Maximum cathode current	40 mA	PromotedValue

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.2 pF	—
Input capacitance	11 pF	—
Output capacitance	5 pF	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	13000 ohm	PromotedValue
Transconductance	0.0073 A/V	PromotedValue

TUBE TINKER

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and their source documents.

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