



ELECTRONIC TUBE REFERENCE

25AX4GT

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Heater-cathode damper diode designed for television horizontal-frequency circuits and direct-drive service, with high pulse-voltage capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4G	BASE PINS	6
NOMINAL HEATER	25 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	4000 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	600 mA
FORWARD VOLTAGE DROP	32 V
MAXIMUM HEATER-CATHODE VOLTAGE	4000 V
WARM-UP TIME	11 s
<i>Abbreviated heater variant of 6AXQGT; parent electrical table not available locally, so unsupported promoted values were not invented.</i>	

Heater-cathode damper diode for television horizontal-frequency circuits and direct-drive service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward-voltage-drop test current	250 mA	TVDamper



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumTransientPeakPlateCurrent	3 A	—
MaximumPeakHeaterCathodeVoltageNegative	4000 V	—
MaximumPeakHeaterCathodeVoltagePositive	100 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube Voltage Drop	32 V	PlateCurrent=250mA

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater To Cathode Capacitance	7.5 pF	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	5000 V	—
Peak plate current	1000 mA	—
DC plate current	165 mA	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater-to-cathode capacitance	4 pF	—
Plate-to-cathode/heater capacitance	5 pF	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Westinghouse Data Book

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

1965 WESTINGHOUSE DATA BOOK

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	25 V	—
Heater Current	300 mA	—
Voltage Drop	32 V	PlateCurrent=250mA
Heater-to-Cathode Capacitance	4 pF	—
Plate-to-Cathode-and-Heater Capacitance	5 pF	—
Cathode-to-Plate-and-Heater Capacitance	8.5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Voltage	4400 V	DamperService
Peak Plate Current	750 mA	—
DC Plate Current	125 mA	—
Plate Dissipation	4.8 W	—
Maximum Heater-Cathode Voltage Cathode Positive	4400 V	TotalDCPlusPeak



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1966 Tung Sol Electronic Tubes 3 of 4

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse plate voltage	4000 V	DamperService
Steady state peak plate current	600 mA	DamperService
DC output current	125 mA	DamperService

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak heater-cathode voltage	4000 V	HeaterNegative
Transient peak plate current	3 A	DamperService

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater-to-cathode capacitance	4.5 pF	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1971 RCA HB3 Binder 5 of 7

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

1971 RCA HB3 BINDER 5 OF 7
Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	25 V	Nominal heater rating from supplied sheet
Heater current	300 mA	Nominal heater rating from supplied sheet
Warm-up time	11 s	Average warm-up time from supplied sheet

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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