

ELECTRONIC TUBE REFERENCE

3AW3

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Controlled-warm-up television damper diode for horizontal-deflection service, designed to withstand high repetitive inverse-voltage pulses in sweep-energy recovery circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8EZ	BASE PINS	8
NOMINAL HEATER	3.15 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

8EZ - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – IC	–	–	IC
PIN2 – H	–	H – Heater	CONNECTED
PIN3 – IC	–	–	IC
PIN5 – IC	–	–	IC
PIN7 – K	A	K – Cathode	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
CAP1 – P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	5000 V
NOMINAL OUTPUT CURRENT	175 mA
PEAK FORWARD CURRENT	1 A
<i>Published ratings/characteristics promoted where semantically applicable; supplemental values retained in parameter table.</i>	

3AW3 is described in the supplied Tung-Sol datasheet as a controlled-warm-up television damper diode. Published electrical ratings and operating characteristics were extracted from the supplied source.



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
MaximumVoltagePulseDuration	10 us	FlybackRectifier

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PlateToHeaterCathodeCapacitance	1.5 pF	Approximate



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 1 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 1 · Rectifier

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	3.15 V	Published heater rating
Heater current	600 mA	Published heater rating

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	5000 V	DamperService
Peak plate current	1000 mA	DamperService
Average plate current	175 mA	DamperService

TUBE TINKER

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and their source documents.

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