

ELECTRONIC TUBE REFERENCE

UA025A

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated argon-filled half-wave rectifying discharge tube for high-voltage supplies, providing approximately 10 kV inverse-voltage capability and moderate current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM CATHODE CURRENT	1 A
PEAK INVERSE VOLTAGE	10000 V
NOMINAL OUTPUT CURRENT	250 mA
PEAK FORWARD CURRENT	1 A
Semantically matched promoted fields only.	

Argon-filled directly heated rectifying discharge tube for high-voltage rectifier service, rated for up to 0.25 A rectified current.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · Rectifier

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	HighVoltageRectifier text	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tesla Tubes

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

1966 TESLA TUBES

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Uf	2.5 V	—
If	5 A	—
Published value	1 a	—
la max.	250 mA	—
asp max.	1 A	—
UIn~, max.	10 kV	—
U A	25 A	—
MOIII,H0CTH (Wa) .AJ	1 a	—
2. 3TH AaHHs,Ie 0rpaxn4nsa!0TCH He Tonbx0 rent	1 a	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
CpeAHHM 3HagexxeM MaxcnManbxo A0- value of the anode current	1 a	—
nyCTHM0ro aH0AH0I'0 Toxa	1 a	—
*ITo5ar npeAoxpannTa J	—	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
I S0	250 mA	—
U=ap	40 V	—
Varc	18.5 V	—

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