

ELECTRONIC TUBE REFERENCE

NL606

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-current National Electronics directly heated industrial rectifier. Its massive filament provides more than six amperes of rectified output for heavy power conversion.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 17 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM CATHODE CURRENT	6.4 A
PEAK INVERSE VOLTAGE	900 V
NOMINAL OUTPUT CURRENT	6.4 A
PEAK FORWARD CURRENT	25.6 A
FORWARD VOLTAGE DROP	10 V
WARM-UP TIME	40 s
Published rectifier ratings promoted from technical-information table.	

The NL606 is a National Electronics industrial rectifier tube with published DC output-current and peak-inverse-voltage ratings.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 National Electronics Industrial Tubes

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

1956 NATIONAL ELECTRONICS INDUSTRIAL TUBES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	900 V	Published datasheet value
Maximum DC output current	6.4 A	Published datasheet value
Maximum instantaneous output current	25.6 A	Published datasheet value
Maximum AC short-circuit current	360 A	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heating time	40 s	Published datasheet value
Typical arc drop	10 V	At stated peak current



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 National Electronics

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1957 NATIONAL ELECTRONICS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC output current	6.4 A	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum instantaneous output current	25.6 A	—
Maximum peak inverse voltage	900 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	40 s	—
Typical arc drop	10 V	—
Typical anode starting voltage	10 V	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Mercury vapor	—

TUBE TINKER

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