



ELECTRONIC TUBE REFERENCE

NL660L

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Directly heated National Electronics industrial rectifier for high-current AC-to-DC conversion. Rated for approximately 920 V peak inverse voltage and 6.4 A nominal output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 21 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM CATHODE CURRENT	6.4 A
PEAK INVERSE VOLTAGE	920 V
NOMINAL OUTPUT CURRENT	6.4 A
PEAK FORWARD CURRENT	80 A
FORWARD VOLTAGE DROP	10 V
WARM-UP TIME	60 s

NL660L industrial power rectifier tube.

SOURCE OPERATING CONDITIONS

1957 National Electronics

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

1957 NATIONAL ELECTRONICS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC output current	6.4 A	—
Maximum instantaneous output current	80 A	—
Maximum peak inverse voltage	920 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	60 s	—
Typical arc drop	10 V	—
Typical anode starting voltage	20 V	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Inert gas	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Industrial power rectifier	—