



ELECTRONIC TUBE REFERENCE

U77

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Indirectly heated two-plate full-wave rectifier, co-designated GZ34, for center-tapped AC supplies. Its equipotential cathode provides substantial current with relatively efficient vacuum rectification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 1.9 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier

PEAK INVERSE VOLTAGE	1500 V
NOMINAL OUTPUT CURRENT	250 mA

Representative section for two electrically identical sections.

SECTION2 Rectifier

PEAK INVERSE VOLTAGE	1500 V
NOMINAL OUTPUT CURRENT	250 mA

Second physical rectifier section; electrical properties populated from applicable published ratings.

Two-plate full-wave rectifier with equipotential cathode and octal base for center-tapped AC rectification; co-designated GZ34.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Genalex Rebrand

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

2026 GENALEX REBRAND

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DiodePlateCurrent	180–280 mA	Plate 17 V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RectifiedCurrent	180 mA	Transformer secondary 2 x 550 V; load 3000 ohm; cathode-chain capacitance 40 µF
Peak Plate Current	825 mA	—
TurnOnSurgeCurrent	3.7 A	—

2026 GENALEX REBRAND

Section 2 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DiodePlateCurrent	180–280 mA	Plate 17 V
DiodePlateCurrent	180–280 mA	Plate 17 V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RectifiedCurrent	180 mA	Transformer secondary 2 x 550 V; load 3000 ohm; cathode-chain capacitance 40 µF
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Peak Plate Current	825 mA	—
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TurnOnSurgeCurrent	3.7 A	—

TUBE TINKER

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and their source documents.

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