

ELECTRONIC TUBE REFERENCE

U78

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

Half-wave rectifier for electronic power-supply service, with manufacturer documentation defining its voltage, current, and intended operating conditions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1250 V
NOMINAL OUTPUT CURRENT	70 mA
PEAK FORWARD CURRENT	210 mA
MAXIMUM HEATER-CATHODE VOLTAGE	450 V

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1250 V
NOMINAL OUTPUT CURRENT	70 mA
PEAK FORWARD CURRENT	210 mA
MAXIMUM HEATER-CATHODE VOLTAGE	450 V

The Marconi U78 is a miniature indirectly heated bi-phase half-wave rectifier.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	—
Heater/filament current	600 mA	—
Peak inverse voltage	1250 V	—
Nominal/maximum output current	70 mA	—
Peak anode current	210 mA	—
Maximum heater-cathode voltage	450 V	—
Surge anode current	700 mA	—
Typical output current	70 mA	CapacitorInput

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectifier topology	Bi-phase/full-wave	—

TUBE TINKER

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and their source documents.

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