ELECTRONIC TUBE REFERENCE

U709

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 / 950 mA	**PARALLEL HEATER**	_ / _
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Rectifier

PEAK INVERSE VOLTAGE	1000 V
NOMINAL OUTPUT CURRENT	150 mA
PEAK FORWARD CURRENT	450 mA
MAXIMUM HEATER-CATHODE VOLTAGE	450 V

SECTION2 Rectifier

PEAK INVERSE VOLTAGE	1000 V
NOMINAL OUTPUT CURRENT	150 mA
PEAK FORWARD CURRENT	450 mA
MAXIMUM HEATER-CATHODE VOLTAGE	450 V

The Marconi U709 is a miniature indirectly heated bi-phase half-wave rectifier.

SOURCE OPERATING CONDITIONS

1955 Marconi

SOURCE PDF

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	**950 mA**	—
Peak inverse voltage	**1000 V**	—
Nominal/maximum output current	**150 mA**	—
Peak anode current	**450 mA**	—
Maximum heater-cathode voltage	**450 V**	—
Surge anode current	**1.5 A**	—
Typical output voltage	**340 V**	CapacitorInput

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

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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