ELECTRONIC TUBE REFERENCE

DA10550

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Philips directly heated high-vacuum rectifier for high-voltage DC supplies. Its 12.5 V filament supports approximately 4–12 kV RMS anode service and 55 mA mean rectified current.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	12.5 V / 6.3 A	**PARALLEL HEATER**	— / —
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Rectifier

PLATE RESISTANCE	2000 Ω
MAXIMUM PLATE DISSIPATION	200 W
NOMINAL OUTPUT CURRENT	55 mA

Published ratings and characteristics promoted where a locked-schema field is semantically applicable; additional values retained as parameters.

Philips DA10550 is a directly heated high-vacuum rectifier with a 12.5 V, 6.3 A filament. Published service covers 4000–12000 V RMS anode voltage and 55 mA mean rectified current, with 200 W allowable anode dissipation.

SOURCE OPERATING CONDITIONS

1999 Philips 0-D

SOURCE PDF

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

1999 PHILIPS 0-D

Section 1 · Rectifier

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Saturation current	260 mA	Published datasheet value
Saturation voltage	500 V	Published datasheet value
Internal resistance	2000 Ω	Published datasheet value

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode dissipation	—200 W	Published datasheet value
Anode dissipation test value	300 W	Published test value
RMS anode A.C. voltage range	4000–12000 V	Published datasheet value
D.C. output voltage range	4000–12000 V	Published datasheet value
Mean rectified D.C. current	—55 mA	Published datasheet value
Useful D.C. output power	550 W	Published datasheet value

Tube Tinker

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