



ELECTRONIC TUBE REFERENCE

DCG910

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Philips directly heated single-anode mercury-vapor half-wave industrial rectifier for high-voltage supplies, providing approximately 21 kV inverse-voltage capability and 2.5 A output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 13.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	21000 V
NOMINAL OUTPUT CURRENT	2.5 A
PEAK FORWARD CURRENT	10 A
FORWARD VOLTAGE DROP	12 V
WARM-UP TIME	90 s
<i>Single-anode mercury-vapour industrial rectifier.</i>	

DCG910 is a Rectifier device in the supplied Philips industrial literature. Single-anode mercury-vapour industrial rectifier.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V4

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V4

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	21 kV	Condition1
Peak inverse voltage	15 kV	Condition2
Peak inverse voltage	10 kV	Condition3
Maximum average current	2.5 A	—
Maximum peak current	10 A	—
Maximum surge current	100 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc voltage drop	12 V	—