ELECTRONIC TUBE REFERENCE

DCG1150

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Improved mercury-vapor half-wave rectifier derived from DCG 1/125 for industrial supplies. Rated for approximately 3 kV peak inverse voltage, 150 mA average output, and 600 mA peak current.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	20 V / —	**PARALLEL HEATER**	— / —
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Rectifier

PEAK INVERSE VOLTAGE	3000 V
NOMINAL OUTPUT CURRENT	150 mA
PEAK FORWARD CURRENT	600 mA
FORWARD VOLTAGE DROP	16 V

Published ratings/characteristics promoted from supplied datasheet.

Improved mercury-vapour rectifier derived from DCG 1/125.

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

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater voltage	**20 V**	—
Maximum peak inverse voltage	**3000 V**	—
Maximum rectified current	**150 mA**	—
Maximum peak forward current	**600 mA**	—

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Forward voltage drop	**16 V**	—

Tube Tinker

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