ELECTRONIC TUBE REFERENCE

DQ51C

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated mercury-vapor half-wave industrial rectifier for high-voltage power conversion, using low arc voltage to provide efficient ampere-class DC output.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	5 V / 7.5 A	**PARALLEL HEATER**	– / –
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	22000 V
NOMINAL OUTPUT CURRENT	2.5 A
Mercury-vapour rectifier ratings from approved datasheet.	

Mercury-vapour rectifier for high-voltage rectifier service, using an oxide-coated directly heated cathode and mercury pellet filling.

SOURCE OPERATING CONDITIONS

1969 Brown Boveri

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

1969 BROWN BOVERI

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	**22000 V**	—
Maximum DC output current	**2.5 A**	—

Tube Tinker

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