

ELECTRONIC TUBE REFERENCE

4049GD

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Hot-cathode mercury-vapor thyatron, coded 4049GD and associated with type 3V/500A, designed for controlled high-voltage switching and rectifier applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4 V / 11 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
PEAK INVERSE VOLTAGE	20000 V
NOMINAL OUTPUT CURRENT	1.25 A
PEAK FORWARD CURRENT	5 A
Values transcribed from the approved datasheet; additional published data retained as parameters.	

May 1958 3V/500A—1 © 1958 Standard Telephones and Cables Limited Ref.: 3V/500A Hot-Cathode Mercury- Vapour Thyatron Code: 4049GD

SOURCE OPERATING CONDITIONS

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode to grid	2 pF	Published direct interelectrode capacitance
Grid to cathode	15 pF	Published direct interelectrode capacitance
Heater/filament nominal current	11 A	Nominal published value