



ELECTRONIC TUBE REFERENCE

CV5027

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

Mercury-vapor grid-controlled thyatron for industrial controlled rectification and power-control switching.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	5 V / 4.7 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Thyatron	
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM CATHODE CURRENT	2.5 A
Values transcribed from the approved datasheet; additional published data retained as parameters.	

Ref.: 3V/390A Hot-Cathode Mercury- 3V/390B Vapour Thyatrons 57 (CV5027) Codes: 3V/390B (CV5028)
< Type 57 is a three-electrode mercury-vapour thyatron developed mainly for use in Industrial Control applications. It is equivalent to the U.S.A. type FG-57. The 3V/390B is an electrically identical thyatron on a British 4-pin base.



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	3.5 pF	Published direct interelectrode capacitance
Grid to cathode	8.5 pF	Published direct interelectrode capacitance
Heater/filament nominal current	4.5 A	Nominal published value



SOURCE OPERATING CONDITIONS

1971 English Electric Valve

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

1971 ENGLISH ELECTRIC VALVE

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak forward anode voltage	1 kV	—
Peak inverse anode voltage	1.5 kV	—
Peak anode current	15 A	—
Mean anode current	2.5 A	—
Cathode preheating time	5 min	—

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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