

ELECTRONIC TUBE REFERENCE

M8163

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
VOLTAGEREGULATOR

Gas-discharge tube optimized for stable reference-voltage service, generally at low current and often with special-quality or primed construction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Voltage Regulator	
MINIMUM REGULATOR CURRENT	5 mA
MAXIMUM REGULATOR CURRENT	15 mA
STARTING VOLTAGE	180 V
DYNAMIC IMPEDANCE	250 Ω
Gas-discharge device.	

Gas-filled voltage reference or stabiliser tube for regulated reference-level service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 Mullard Gas Filled Tubes

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

1971 MULLARD GAS FILLED TUBES

Section 1 · Voltage Regulator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition/striking voltage	180 V	—
Minimum cathode current	5 mA	—
Maximum cathode current	15 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Incremental resistance	250 ohm	—

TUBE TINKER

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and their source documents.

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