



ELECTRONIC TUBE REFERENCE

M8083

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Mullard special-quality rugged RF pentode with statistically controlled characteristics for vibration- and shock-prone professional equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	500000 Ω
TRANSCONDUCTANCE	0.0076 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	3 W
<i>Special-quality RF pentode.</i>	

The Mullard M8083 is a rugged special-quality RF pentode with statistically controlled characteristics for vibration- and shock-prone equipment.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	300 mA	—
Plate Voltage	250 V	—
Screen Voltage	250 V	—
Plate Current	10 mA	—
Screen Current	2.6 mA	—
Grid Voltage	-2 V	—
Transconductance	7600 μ S	—
Plate Resistance	500000 ohm	Minimum
Amplification Factor Grid1-to-Grid2	70 ratio	—
Input Capacitance	7.1 pF	—
Output Capacitance	3.4 pF	—
Plate-Grid Capacitance Maximum	0.01 pF	—
Microphonic Noise Maximum	25 mV	2g; 50Hz; RMS

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Supply Voltage	550 V	—
Maximum Plate Voltage	300 V	—
Maximum Plate Dissipation	3 W	—
Maximum Shock	500 g	SpecialQualityTest

TUBE TINKER

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and their source documents.

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