



ELECTRONIC TUBE REFERENCE

DL98

Voltage Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Battery RF output pentode designed for Class-C amplifier and oscillator service. Its directly heated construction provides radio-frequency power generation from portable battery supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	1.25 V / 330 mA	PARALLEL HEATER	1.25 V / 330 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	22000 Ω
TRANSCONDUCTANCE	0.00215 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	1.1 W
MAXIMUM CATHODE CURRENT	32 mA
<i>Published Mullard/Philips ratings and characteristics promoted where applicable; additional values retained as parameters.</i>	

Battery RF output pentode for Class C amplifier and oscillator service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Mullard Receiving Tubes

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

1958 MULLARD RECEIVING TUBES

Section 1 · Pentode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Class-C RF amplifier / oscillator / frequency multiplier	ClassC



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	1.4 V	—
HeaterOrFilamentCurrent	100 mA	—
Plate Voltage	120 V	—
Screen Voltage	120 V	—
Plate Current	30 mA	—
Screen Current	1.8 mA	—
Transconductance	2.15 mA/V	—
Plate Resistance	22 kohm	—
Control Grid Voltage	-10 V	—
MaximumOperatingFrequency	100 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	150 V	ClassC;Frequency=100MHz
Screen Voltage	135 V	ClassC
Power Output	1.25 W	ClassC