

ELECTRONIC TUBE REFERENCE

DF63

Voltage - Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Mullard subminiature variable-mu RF pentode for battery-operated equipment. It combines compact construction, low-power filament operation, and controlled gain for portable receiver RF stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	1.25 V / 25 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	1600000 Ω
TRANSCONDUCTANCE	0.00085 S
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	67.5 V
MAXIMUM CATHODE CURRENT	2.5 mA
Published Mullard/Philips ratings and characteristics promoted where applicable; additional values retained as parameters.	

The Mullard DF63 is a subminiature variable-mu RF pentode for battery-operated equipment.



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

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cutoff characteristic	Variable-mu	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	RF / IF amplifier	—



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
Filament Voltage	1.25 V	DCOnly
Filament Current	25 mA	DCOnly
Plate Voltage	67.5 V	—
Screen Voltage	67.5 V	—
Plate Current	1.7 mA	—
Screen Current	0.49 mA	—
Transconductance	850 uS	—
Plate Resistance	1600000 ohm	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid Voltage for 100:1 Transconductance Reduction	-14 V	—
Input Capacitance	3 pF	—
Output Capacitance	3.5 pF	—
Plate-Grid Capacitance	0.01 pF	Maximum

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	90 V	—
Maximum Screen Voltage	67.5 V	—
Maximum Cathode Current	2.5 mA	—

TUBE TINKER

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