

ELECTRONIC TUBE REFERENCE

ME1400

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Electrometer pentode for extremely high-resistance circuits including pH meters, photocell units, and valve voltmeters.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	4.5 V / 160 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	5000000 Ω
TRANSCONDUCTANCE	0.00024 S
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	45 V
Published ratings/characteristics promoted where clearly stated; repeated identical rectifier sections compressed to one section row.	

ELECTROMETER PENTODE Pento'de suitable for use in high resistance circuits for applications such as pH meters, ME1400 photocell units and valve voltmeters. HEATER VYh 45+5% V Ih 160 mA MOUNTING POSITION Any CAPACITANCES Ca-gl <20 mpF Cin 5.5 pF Cout 8.5 pF CHARACTERISTICS Pentode connected The supplied datasheet publishes electrical ratings and characteristics for this pentode device.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 La Radiotechnique

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

1953 LA RADIOTECHNIQUE

Section 1 · Pentode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	4.5 V	Published nominal value
Heater current	160 mA	Published nominal value
Transconductance	240 μ S	Published typical/nominal value



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

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	4.5 V	—
Heater or filament current	160 mA	—
MaxPlateVoltage	90	Promoted field source value

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	5000000	Promoted field source value
Transconductance	0.00024	Promoted field source value

TUBE TINKER

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and their source documents.

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