

Subminiature directly heated electrometer pentode with grid current around 3×10^{-13} A for measurement of extremely small currents.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.25 V / 82 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	10500000 Ω
TRANSCONDUCTANCE	0.000105 S
MAXIMUM PLATE VOLTAGE	10 V
MAXIMUM SCREEN VOLTAGE	45 V
Published ratings/characteristics promoted where clearly stated; repeated identical rectifier sections compressed to one section row.	

SUBMINIATURE ELECTROMETER PENTODE ME I 03 Subminiature electrometer pentade with a grid current of 3×10^{-13} A, FILAMENT Suitable for d.c. operation only Vi 1.25 v It 82 mA MOUNTING POSITION Any CAPACITANCES Ca_{gl} 0.2 pF Cin 3.0 pF Cout 4.0 pF CHARACTERISTICS (All voltages are 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	1.25 V	Published nominal value
Heater current	82 mA	Published nominal value
Transconductance	105 μ S	Published typical/nominal value
Grid current	—0.00000000008 mA	Dark condition; published range
Amplification factor	110	Typical 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	1.25 V	—
Heater or filament current	82 mA	—
MaxPlateVoltage	45	Promoted field source value
MaxScreenVoltage	45	Promoted field source value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	10500000	Promoted field source value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	0.0000105	Promoted field source value