

ELECTRONIC TUBE REFERENCE

ME1406

Voltage Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Ultra-low-drain directly heated electrometer-type pentode for sensitive measurement circuits handling minute currents.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.25 V / 8.2 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	0.0000105 S
MAXIMUM PLATE VOLTAGE	45 V
MAXIMUM SCREEN VOLTAGE	45 V
MAXIMUM CATHODE CURRENT	0.18 mA
Ratings and characteristics extracted from supplied source.	

Pentode; electrical ratings and operating data extracted from the supplied Mullard datasheet.

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	1.25 V	—
HeaterOrFilamentCurrent	8.2 mA	—
Plate Voltage	10 V	—
Plate Current	5 uA	—
Grid Voltage	-2.5 V	—
ScreenVoltageAverage	6.5 V	—
TransconductanceAverage	10.5 uS	—
Plate Resistance	10.5 Mohm	—
GridCurrentAverage	-0.00000000003 mA	—
ScreenCurrentAverage	2 uA	—
Plate To Grid Capacitance	0.2 pF	—
Input Capacitance	3 pF	—
Output Capacitance	4 pF	—