



ELECTRONIC TUBE REFERENCE

DAS1

Voltage Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Directly heated screened tetrode with low-voltage operating data. Its economical filament and screened construction suit low-power receiving circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2 V / 60 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
PLATE RESISTANCE	500000 Ω
TRANSCONDUCTANCE	0.00058 S
MAXIMUM PLATE VOLTAGE	120 V
MAXIMUM SCREEN VOLTAGE	60 V
Screened tetrode; promoted characteristics from 120/60 V operating point.	

Compact directly heated screened tetrode with tentative characteristics, including 120 V plate operation, 45 to 60 V screen voltage and sub-milliamperes to low-milliamperes anode current.

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 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	120 V	Va=120 V; Vg2=45 V
Screen voltage	45 V	Va=120 V; Vg2=45 V
Control-grid voltage	-2 V	Va=120 V; Vg2=45 V
Anode current	0.8 mA	Va=120 V; Vg2=45 V
Anode voltage	120 V	Va=120 V; Vg2=60 V
Screen voltage	60 V	Va=120 V; Vg2=60 V
Control-grid voltage	-2.7 V	Va=120 V; Vg2=60 V
Anode current	1.5 mA	Va=120 V; Vg2=60 V
Plate voltage maximum	120 V	—
Screen voltage maximum	60 V	—
Grid resistance maximum	2 Mohm	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	430 uS	Va=120 V; Vg2=45 V
Plate resistance	650000 ohm	Va=120 V; Vg2=45 V
Transconductance	580 uS	Va=120 V; Vg2=60 V
Plate resistance	500000 ohm	Va=120 V; Vg2=60 V

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	0.07 pF	—
Output capacitance	3.4 pF	—