

ELECTRONIC TUBE REFERENCE

VP13C

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Variable-mu or remote-cutoff pentode designed for RF, IF, broadband, or AVC-controlled receiver amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	13 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0022 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	0.7 W
Promoted values are mapped from the supplied datasheet; additional published ratings, characteristics, capacitances and operating points are retained in TUBE_SECTION_PARAMETER.	

Variable-mu HF pentode for AC/DC mains receivers and car radios, with 13 V 200 mA heater.

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
Plate voltage	200 V	—
Screen-grid voltage	200 V	—
Plate current	9 mA	—
Screen-grid current	3.6 mA	—
Control-grid voltage	-2 V	—
Transconductance	2200 μ S	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.0023 pF	—
Output capacitance	8 pF	—
Input capacitance	6.1 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater-to-cathode voltage maximum	125 V	—

TUBE TINKER

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and their source documents.

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