



ELECTRONIC TUBE REFERENCE

FC13

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

OCTODE

Radio receiver frequency changer combining oscillator and mixer functions for superheterodyne conversion. Its multi-grid construction translates incoming RF signals to the intermediate frequency within the receiver front end.

GENERAL CHARACTERISTICS

BASE DESIGNATION	SideContact	BASE PINS	7
NOMINAL HEATER	13 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Octode	
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	90 V
Octode frequency changer; published characteristics and limiting values.	

Indirectly heated octode frequency changer for AC/DC mains superheterodyne receivers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Mullard Receiving Tubes

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

1958 MULLARD RECEIVING TUBES

Section 1 · Octode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	200 V	—
Oscillator-anode voltage	90 V	—
Screen-grid voltage	70 V	—
Plate current	1.6 mA	—
Conversion conductance	600 μ S	—



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 · Octode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	13 V	—
HeaterOrFilamentCurrent	200 mA	—
Application	Superheterodyne frequency changer	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	200 V	—
MaximumOscillatorAnodeVoltage	90 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Screen Voltage	90 V	—
NormalPlateVoltage	200 V	—
NormalOscillatorAnodeVoltage	90 V	—

TUBE TINKER

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