



ELECTRONIC TUBE REFERENCE

FC2A

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	British7Pin	BASE PINS	7
NOMINAL HEATER	2 V / 130 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Octode	
PLATE RESISTANCE	10000000 Ω
TRANSCONDUCTANCE	0.00027 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	0.5 W
MAXIMUM SCREEN DISSIPATION	0.6 W
MAXIMUM CATHODE CURRENT	11 mA
Octode frequency changer; conversion conductance/rp from normal-operation table.	

Directly heated octode frequency changer for battery receivers, designed up to 19 Mc/s.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	90 V	NormalOperation
Plate voltage	135 V	NormalOperation
Conversion conductance	270 μ S	NormalOperation
Plate resistance	10 M Ω m	NormalOperation;greater than
Conversion conductance	67 μ S	ShortWave
Plate resistance	1.7 M Ω m	ShortWave