



ELECTRONIC TUBE REFERENCE

UCF80

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Series-heater triode-pentode frequency changer for television equipment at frequencies extending to approximately 220 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	9
NOMINAL HEATER	27 V / 100 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1.7 W
<i>Published Ferranti ratings and characteristics promoted where applicable; additional operating and application data retained as parameters.</i>	

SECTION2 Pentode	
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	175 V
MAXIMUM PLATE DISSIPATION	1.7 W
MAXIMUM SCREEN DISSIPATION	0.5 W
<i>Published Ferranti ratings and characteristics promoted where applicable; additional operating and application data retained as parameters.</i>	

Series-heater triode-pentode frequency changer for television equipment to about 220 MHz.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Ferranti Technical Handbook

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

1961 FERRANTI TECHNICAL HANDBOOK

Section 1 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Oscillator	—

1961 FERRANTI TECHNICAL HANDBOOK

Section 2 · Pentode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Television frequency changer / mixer	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum intended frequency	220 MHz	—



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 2 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum operating frequency	220 MHz	ApplicationLimit
Heater current	100 mA	SeriesOperation

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	27 V	SeriesOperation

TUBE TINKER

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and their source documents.

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