



ELECTRONIC TUBE REFERENCE

TH30C

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

2 SECTIONS
CONSTRUCTION
HEXODE-TRIODE

Mullard triode-hexode frequency changer combining a relatively high-transconductance oscillator triode with a high-resistance mixer section for superheterodyne receiver conversion service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	17.5
MAXIMUM PLATE VOLTAGE	185 V
MAXIMUM CATHODE CURRENT	14 mA
<i>Promoted from published Mullard absolute-maximum/limiting-value and characteristic tables; service-specific limits retained in parameter rows.</i>	

SECTION2 Hexode	
PLATE RESISTANCE	1500000 Ω
TRANSCONDUCTANCE	0.00075 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM CATHODE CURRENT	25 mA
<i>Promoted from published Mullard absolute-maximum/limiting-value and characteristic tables; service-specific limits retained in parameter rows.</i>	

Triode-heptode frequency changer for receiver service.

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	4 V	—
HeaterOrFilamentCurrent	200 mA	—
Plate Voltage	100 V	—
Plate Current	9.5 mA	—
Transconductance	5500 μ S	—
Amplification Factor	17.5	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaxPlateVoltage	185 V	—
MaxPlateCurrent	14 mA	—

1963 MULLARD

Section 2 · Hexode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	—
Screen Voltage	100 V	—
OscillatorInjectionVoltageRMS	8 V	—
Grid Voltage	-2.5 V	—
Plate Current	3.25 mA	—
Screen Current	6 mA	—
Conversion Transconductance	750 μ S	—
Plate Resistance	1.5 Mohm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaxPlateVoltage	300 V	—
MaxScreenVoltage	150 V	—
MaxCathodeCurrent	25 mA	—

TUBE TINKER

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and their source documents.

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