



ELECTRONIC TUBE REFERENCE

TH22C

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

CONSOLIDATED TECHNICAL
DATA

2 SECTIONS
CONSTRUCTION
HEXODE-TRIODE

Triode-hexode frequency changer for superheterodyne receivers. The triode supplies the local oscillator while the hexode performs mixing, with heater characteristics tailored to series-heater designs.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	22 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode

No fixed ratings recorded.

Mullard TH22C oscillator triode, part of a common-cathode triode-hexode frequency changer for series-heater receivers. Heater is 22 V, 0.20 A. Mullard references its TH4A frequency changer for electrical characteristics other than heater ratings; unrelated tubes with similar names must not be used as specification sources.

SECTION2 Hexode

No fixed ratings recorded.

Mullard TH22C frequency-converter hexode, with common cathode shared by oscillator triode. Nominal heater 22 V / 0.20 A for AC/DC series service. Original manufacturer sheet states TH22C is identical to Mullard TH4A apart from its heater rating, so unverified values from unrelated similarly named tubes are not promoted.

The Mullard TH22C is an indirectly heated triode-hexode frequency changer with a common cathode; its supplied sheet refers to TH4A for the non-heater electrical characteristics.



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	22 V	—
Heater Current	200 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Heater-Cathode Voltage	125 V	—

1963 MULLARD

Section 2 · Hexode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Electrical Characteristics Reference	TH4A text	SuppliedSheetStatesIdenticalExceptHeaterRating

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