

ELECTRONIC TUBE REFERENCE

50HC6

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Miniature audio-output power pentode with high power sensitivity at low plate voltage and an integral panel-lamp heater tap.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	50 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	11000 Ω
TRANSCONDUCTANCE	0.0146 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	130 V
MAXIMUM PLATE DISSIPATION	5.5 W
MAXIMUM SCREEN DISSIPATION	2 W
Maximum ratings and Class A characteristics promoted from the printed tables.	

The 50HC6 is a miniature power pentode primarily designed for the audio-frequency power-output stage of radio receivers and featuring a heater tap for a panel lamp, with high power sensitivity at low plate and screen voltages.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	110 V	ClassA
Screen Voltage	115 V	ClassA
Plate Current	42 mA	ClassA
Screen Current	11.5 mA	ClassA
Load Resistance	3000 ohm	ClassA
Power Output	1.4 W	ClassA
Total Harmonic Distortion	7 %	ClassA

TUBE TINKER

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and their source documents.

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