

The Toshiba 6HK8 is a high-transconductance, low-noise twin triode designed for television tuner cascode amplifiers. Its low interelectrode capacitance supports high-frequency signal gain. The tube can also function in RF amplification and frequency-conversion stages of FM radio receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	4500 Ω
TRANSCONDUCTANCE	0.008 S
AMPLIFICATION FACTOR	36
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	20 mA

SECTION2 Triode	
PLATE RESISTANCE	4500 Ω
TRANSCONDUCTANCE	0.008 S
AMPLIFICATION FACTOR	36
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	20 mA

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

9999 Mixed G 1000

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

9999 MIXED G 1000

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	—
Grid Voltage	-1 V	—
Plate Current	8.5 mA	—

9999 MIXED G 1000

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	—
Grid Voltage	-1 V	—
Plate Current	8.5 mA	—

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