

ELECTRONIC TUBE REFERENCE

4KN8

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Frame-grid twin triode designed for VHF cascode amplifier service in television tuners, combining two high-frequency triode sections for sensitive RF front-end amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	4.2 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2800 Ω
TRANSCONDUCTANCE	0.016 S
AMPLIFICATION FACTOR	45
MAXIMUM PLATE VOLTAGE	290 V
MAXIMUM PLATE DISSIPATION	2.2 W
MAXIMUM CATHODE CURRENT	22 mA
Repeated identical physical sections represented by one populated row.	

SECTION2 Triode	
PLATE RESISTANCE	2800 Ω
TRANSCONDUCTANCE	0.016 S
AMPLIFICATION FACTOR	45
MAXIMUM PLATE VOLTAGE	290 V
MAXIMUM PLATE DISSIPATION	2.2 W
MAXIMUM CATHODE CURRENT	22 mA
<i>Second physical triode section; electrically identical twin section.</i>	

Frame-grid twin triode for VHF cascode amplifier service in television tuners.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Hitachi

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

1963 HITACHI

Section 1 · Triode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode capacitances published	1	See source table

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Warm-up Time	11 s	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cascode Plate Supply Voltage	220 V	CascodeAmplifier

TUBE TINKER

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and their source documents.

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