



ELECTRONIC TUBE REFERENCE

6JX8

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

CONSOLIDATED TECHNICAL DATA

2 SECTIONS
CONSTRUCTION
HEPTODE-TRIODE

Triode-heptode combination for oscillator, mixer, and related receiving applications. The heptode performs frequency conversion while the relatively low-resistance triode provides local oscillation or stronger current drive.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Heptode	
TRANSCONDUCTANCE	0.0022 S
Published typical operating conditions, UHF/deflection ratings, and descriptive application reviewed.	

SECTION2 Triode	
PLATE RESISTANCE	3700 Ω
AMPLIFICATION FACTOR	16
Published typical operating conditions, UHF/deflection ratings, and descriptive application reviewed.	

6JX8 is listed in the supplied Amperex material as a triode-heptode for pulse separator, noise inverter and sync-amplifier service. Published operating conditions and electrical characteristics were captured from the supplied tables.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Heptode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published heater rating
Heater current	300 mA	Published heater rating
Transconductance	2200 μ S	HeptodeSection

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heptode plate voltage	135 V	HeptodeSection
Heptode screen voltage	14 V	HeptodeSection
Heptode plate current	1.7 mA	HeptodeSection
Heptode screen current	0.9 mA	HeptodeSection

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Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Triode plate voltage	60 V	TriodeSection
Triode plate current	2 mA	TriodeSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Triode amplification factor	16	TriodeSection

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

