

ELECTRONIC TUBE REFERENCE

3FX7

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

High-transconductance medium-mu twin triode designed for low-noise VHF cascode amplification in television tuners, with low interelectrode capacitance supporting high-frequency operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	3.5 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	3800 Ω
TRANSCONDUCTANCE	0.0095 S
AMPLIFICATION FACTOR	36
MAXIMUM PLATE VOLTAGE	100 V
MAXIMUM PLATE DISSIPATION	1.7 W
MAXIMUM CATHODE CURRENT	20 mA
Unit 1 of twin triode; section-specific capacitances published.	

SECTION2 Triode	
PLATE RESISTANCE	3800 Ω
TRANSCONDUCTANCE	0.0095 S
AMPLIFICATION FACTOR	36
MAXIMUM PLATE VOLTAGE	100 V
MAXIMUM PLATE DISSIPATION	1.7 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Unit 2 of twin triode; section-specific capacitances published.</i>	

Medium-mu twin triode with high transconductance, low noise and low interelectrode capacitance for cascode TV tuners.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1982 Toshiba

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

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Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	ClassA1
Grid Voltage	-1 V	ClassA1
Plate Current	9 mA	ClassA1

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-Plate Capacitance	2.05 pF	Section1

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Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	ClassA1
Grid Voltage	-1 V	ClassA1
Plate Current	9 mA	ClassA1

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-Plate Capacitance	1.45 pF	Section2