

ELECTRONIC TUBE REFERENCE

6CX7

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Medium-mu twin triode specifically intended for cascode VHF amplifier service, with two electrically similar sections suited to grounded-grid and cascode tuner arrangements.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9FC	BASE PINS	9
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	
TRANSCONDUCTANCE	0.0064 S
AMPLIFICATION FACTOR	39
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	20 mA
Published promoted fields populated from printed headings.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0064 S
AMPLIFICATION FACTOR	39
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Second physical triode section; electrically identical twin section.</i>	

The 6CX7 is a medium-mu twin triode intended for cascode VHF amplifier service. The two triode sections are electrically identical and are suited to high-frequency grounded-grid/cascode arrangements.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Triode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Cascode VHF amplifier	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Triode

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	6400 μ S	EachUnit

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Cathode Current	20 mA	EachUnit



1966 Tung Sol Electronic Tubes 2 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	90 V	Section1,Section2
Grid voltage	0 V	Section1,Section2

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	9 mA	Section1,Section2
Grid voltage for plate current 10 uA	-10 V	Section1,Section2