



ELECTRONIC TUBE REFERENCE

7689

Voltage - Triple Triode electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS

CONSTRUCTION

TRIODE-TRIODE-TRIODE

High-reliability high-mu triple triode for instrumentation; each section is electrically equivalent to one section of a 12AX7.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E12-66 / 12BA	BASE PINS	12
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	80000 Ω
TRANSCONDUCTANCE	0.00125 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM CATHODE CURRENT	20 mA
Promoted from 250 V characteristic point; design-maximum values apply to each identical section.	

SECTION2 Triode	
PLATE RESISTANCE	80000 Ω
TRANSCONDUCTANCE	0.00125 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Physical triode section added to align rows with SectionCount.</i>	

SECTION3 Triode	
PLATE RESISTANCE	80000 Ω
TRANSCONDUCTANCE	0.00125 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Physical triode section added to align rows with SectionCount.</i>	

High-mu triple triode; each section electrically equivalent to one section of 12AX7; high-reliability instrumentation service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 CBS Hytron

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

1960 CBS HYTRON

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	ClassA
Plate resistance	80000 Ohm	ClassA;Va=100V
Transconductance	1250 uS	ClassA;Va=100V
Amplification factor	100 ratio	ClassA
Plate current	0.5 mA	ClassA;Va=100V
Plate voltage	250 V	ClassA
Plate current	1.2 mA	ClassA;Va=250V

TUBE TINKER

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