



ELECTRONIC TUBE REFERENCE

3C6

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Medium-mu directly heated twin triode with series/parallel filaments, designed for battery-operated equipment and providing two triode sections for low-voltage amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7BW	BASE PINS	7
NOMINAL HEATER	2.6 V / 150 mA	PARALLEL HEATER	1.3 V / 300 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	11200 Ω
TRANSCONDUCTANCE	0.0013 S
AMPLIFICATION FACTOR	14.5
MAXIMUM PLATE VOLTAGE	130 V
Values promoted only where clearly published for this section in the approved source.	

SECTION2 Triode	
PLATE RESISTANCE	11200 Ω
TRANSCONDUCTANCE	0.0013 S
AMPLIFICATION FACTOR	14.5
MAXIMUM PLATE VOLTAGE	130 V
Values promoted only where clearly published for this section in the approved source.	

Medium-mu twin triode with series/parallel directly heated filaments for battery operation.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 National Union

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

1938 NATIONAL UNION

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GRID=T0=PiLaTE {EACH	3 UUF	Published source value; see source line context.
GrRi2 £	7 UUF	Published source value; see source line context.
PLaT€ CuRRENT (SEScTion Ti)	4.5 MA	Published source value; see source line context.
TRANSCONDUCTANCE (SECTiONW	38 umHos	Published source value; see source line context.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MAXiMUM PLATE VOLTASGE	130 VOLTS	Published source value; see source line context.
Grip YorTact (Eacu SECTio0n)	0 VOLTS	Published source value; see source line context.
Prate ResistAnNgE (SgEcTionN =	1 OHMS	Published source value; see source line context.

1938 NATIONAL UNION

Section 2 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
TRANSCONDUCTANGE (SecTion [	2 umHos	Published source value; see source line context.



195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	90 V	ClassA;ParallelFilaments
Grid voltage	0 V	ClassA;ParallelFilaments
Plate current	4.5 mA	ClassA;ParallelFilaments
Plate voltage	90 V	ClassA;SeriesFilaments
Grid voltage	0 V	ClassA;SeriesFilaments
Plate current	3.2 mA	ClassA;SeriesFilaments

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	11200 ohm	ParallelFilaments
Transconductance	1300 uS	ParallelFilaments
Amplification factor	14.5	ParallelFilaments
Plate resistance	12800 ohm	SeriesFilaments
Transconductance	1100 uS	SeriesFilaments
Amplification factor	14.1	SeriesFilaments

TUBE TINKER

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