



ELECTRONIC TUBE REFERENCE

2C21

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Medium-mu twin triode, co-designated with 1642, intended for Class-A amplifier service and providing two similar triode units in a compact receiving-type envelope.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7BH	BASE PINS	7
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	7600 Ω
TRANSCONDUCTANCE	0.001375 S
AMPLIFICATION FACTOR	10.4
MAXIMUM PLATE VOLTAGE	250 V
<i>Promoted from the printed maximum-rating/characteristic columns; additional operating-point and capacitance data are retained in TUBE_SECTION_PARAMETER.</i>	

SECTION2 Triode	
PLATE RESISTANCE	7600 Ω
TRANSCONDUCTANCE	0.001375 S
AMPLIFICATION FACTOR	10.4
MAXIMUM PLATE VOLTAGE	250 V
<i>Second physical triode section; electrically identical twin section.</i>	

Medium-mu twin triode, co-designated 2C21/1642, for Class-A amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	250 V	ClassA;EachSection
Control-grid voltage	-16.5 V	ClassA;EachSection
Plate current	8.3 mA	ClassA;EachSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	7600 Ω	EachSection
Transconductance	1375 μS	EachSection
Amplification factor	10.4	EachSection

TUBE TINKER

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and their source documents.

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