

ELECTRONIC TUBE REFERENCE

5798

Voltage - Triode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Premium industrial twin triode intended for dependable amplifier and control service, with special-quality construction for equipment requiring stable operation and extended reliability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	K8-1	BASE PINS	8
NOMINAL HEATER	26.5 V / 90 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	6700 Ω
TRANSCONDUCTANCE	0.00315 S
AMPLIFICATION FACTOR	21
MAXIMUM PLATE VOLTAGE	50 V
MAXIMUM PLATE DISSIPATION	0.4 W
MAXIMUM HEATER-CATHODE VOLTAGE	90 V
Representative row for two identical triode sections.	

SECTION2 Triode	
PLATE RESISTANCE	6700 Ω
TRANSCONDUCTANCE	0.00315 S
AMPLIFICATION FACTOR	21
MAXIMUM PLATE VOLTAGE	50 V
MAXIMUM PLATE DISSIPATION	0.4 W
Second physical triode restored under current one-row-per-physical-section policy.	

The 5798 is a subminiature medium-mu twin triode for oscillator-mixer service to about 400 MHz, designed for shock, vibration, and high-temperature aircraft 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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	1.9 pF	Section1
Output capacitance	1.7 pF	Section1
Grid-to-plate capacitance	1.7 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	26.5 V	ClassA
Grid voltage	0 V	ClassA
Plate current	2 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	7100 ohm	—
Transconductance	3400 uS	—
Amplification factor	24	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	26.5 V	ClassA EachSection
Grid Voltage	0 V	ClassA EachSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	2.3 mA	ClassA EachSection

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