

ELECTRONIC TUBE REFERENCE

6670

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

High-frequency twin triode intended for RF amplification and related high-frequency circuitry, combining two triode sections in a miniature envelope.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8CJ	BASE PINS	8
NOMINAL HEATER	6.3 V / 350 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

8CJ - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – H	–	H – Heater	CONNECTED
PIN2 – 2K	B	K – Cathode	CONNECTED
PIN3 – 2G1	B	G1 – Control Grid	CONNECTED
PIN4 – 2P	B	P – Plate (Anode)	CONNECTED
PIN5 – IS	A	IS – Internal Screen	CONNECTED
PIN6 – 1P	A	P – Plate (Anode)	CONNECTED
PIN7 – 1G1	A	G1 – Control Grid	CONNECTED
PIN8 – 1K	A	K – Cathode	CONNECTED
PIN9 – H	–	H – Heater	CONNECTED

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	6400 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	300 V
<i>Published maximum ratings, representative operating conditions, and available capacitance/rectifier data reviewed.</i>	

SECTION2 Triode	
PLATE RESISTANCE	6400 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	300 V
<i>Second physical triode restored under current one-row-per-physical-section policy.</i>	

6670 is listed in the supplied receiving-tube handbook as a high-frequency twin triode. The published heater/filament rating is 6.3 V at 0.35 A. Maximum ratings, representative operating characteristics, and available special-service data were captured from the supplied table.

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
Maximum plate voltage	300 V	Published handbook rating
Plate voltage	150 V	ClassA
Plate current	8.2 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	6400 ohm	Published handbook characteristic
Transconductance	5500 μ S	Published handbook characteristic
Amplification factor	35	Published handbook characteristic
Heater/filament voltage	6.3 V	Published heater/filament rating
Heater/filament current	350 mA	Published heater/filament rating

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