

ELECTRONIC TUBE REFERENCE

CK5967

Voltage - Triode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Directly heated subminiature twin triode designed for RF amplifier service, emphasizing compact high-frequency operation rather than ordinary audio-frequency amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8CK	BASE PINS	8
NOMINAL HEATER	1.25 V / 120 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

8CK - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – 1P2	A	P – Plate (Anode)	CONNECTED
PIN2 – 1K	A	K – Cathode	CONNECTED
PIN4 – 1P1	A	P – Plate (Anode)	CONNECTED
PIN5 – 2G	B	OTHER – Other Identified Element	CONNECTED
PIN6 – 2K	B	K – Cathode	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
PIN8 – H	–	H – Heater	CONNECTED

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.002 S
AMPLIFICATION FACTOR	18
MAXIMUM PLATE VOLTAGE	45 V
<i>Promoted only from clearly identified printed electrical values; additional values retained in TUBE_SECTION_PARAMETER.</i>	

SECTION2 Triode	
TRANSCONDUCTANCE	0.002 S
AMPLIFICATION FACTOR	18
MAXIMUM PLATE VOLTAGE	45 V
<i>Second physical triode section; electrically identical twin section.</i>	

Subminiature directly heated twin triode for RF amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	45 V	RF Amplifier; Each Section
Grid resistor	5 M Ω	RF Amplifier; Each Section
Plate current	3 mA	RF Amplifier; Each Section

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	18	Each Section
Transconductance	2000 μ S	Each Section

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