

ELECTRONIC TUBE REFERENCE

CK5971

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Directly heated subminiature triode for amplifier and oscillator service in compact electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7CD	BASE PINS	7
NOMINAL HEATER	1.25 V / 80 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

7CD - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – F	–	F – Filament	CONNECTED
PIN2 – P	A	P – Plate (Anode)	CONNECTED
PIN3 – G2	A	G2 – Screen Grid	CONNECTED
PIN4 – G1	A	G1 – Control Grid	CONNECTED
PIN5 – G3	A	G3 – Suppressor Grid	CONNECTED
PIN5 – G5	A	G5 – Fifth Grid	CONNECTED
PIN6 – G4	A	G4 – Fourth Grid	CONNECTED
PIN7 – F	–	F – Filament	CONNECTED

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.00215 S
AMPLIFICATION FACTOR	23
<i>Promoted only from clearly identified printed electrical values; additional values retained in TUBE_SECTION_PARAMETER.</i>	

Subminiature directly heated triode for amplifier and oscillator 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	135 V	AmplifierOscillator
Control-grid voltage	-3 V	AmplifierOscillator
Plate current	4 mA	AmplifierOscillator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	23	Section1
Transconductance	2150 μ S	Section1

TUBE TINKER

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and their source documents.

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