

ELECTRONIC TUBE REFERENCE

CK6051

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Directly heated subminiature output pentode providing roughly 50 mW from a 45 V battery supply.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5L	BASE PINS	5
NOMINAL HEATER	1.25 V / 100 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

5L - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN2 – H	–	H – Heater	CONNECTED
PIN4 – P1	A	P – Plate (Anode)	CONNECTED
PIN6 – P2	A	P – Plate (Anode)	CONNECTED
PIN8 – K	A	K – Cathode	CONNECTED
PIN8 – H	–	H – Heater	CONNECTED

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	35000 Ω
TRANSCONDUCTANCE	0.0012 S
MAXIMUM PLATE VOLTAGE	45 V
MAXIMUM SCREEN VOLTAGE	45 V
<i>Promoted only from clearly identified printed electrical values; additional values retained in TUBE_SECTION_PARAMETER.</i>	

Subminiature directly heated pentode for low-power output-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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	45 V	PowerAmplifier
Control-grid voltage	-4 V	PowerAmplifier
Screen voltage	45 V	PowerAmplifier
Plate current	3 mA	PowerAmplifier
Screen current	0.9 mA	PowerAmplifier
Power output	50 mW	PowerAmplifier
Load resistance	0.02 MΩ	PowerAmplifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	0.035 MΩ	Section1
Transconductance	1200 μS	Section1

TUBE TINKER

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and their source documents.

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