



ELECTRONIC TUBE REFERENCE

CK526AX

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Directly heated subminiature power pentode designed for portable and wearable equipment. Its compact construction and low filament demand support miniature battery-operated output stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5J	BASE PINS	5
NOMINAL HEATER	1.25 V / 20 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	220000 Ω
TRANSCONDUCTANCE	0.0004 S
MAXIMUM PLATE VOLTAGE	45 V
MAXIMUM SCREEN VOLTAGE	45 V
MAXIMUM CATHODE CURRENT	1 mA
<i>Published values are typical summary-table operating/characteristic data, not maximum ratings.</i>	

Directly heated subminiature power pentode for portable and wearable equipment.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	1.25 V	Nominal
HeaterCurrentNominal	20 mA	Nominal
Maximum Plate Voltage	45 V	—
Maximum Screen Voltage	45 V	—
Maximum Cathode Current	1 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	400 μ S	Typical
Plate Resistance	220000 ohm	Typical



SOURCE OPERATING CONDITIONS

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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	22.5 V	Typical operating point; Power Amp.
Grid 1 Voltage	-1.5 V	Typical operating point; Power Amp.
Grid 2 Voltage	22.5 V	Typical operating point; Power Amp.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	0.45 mA	Typical operating point; Power Amp.
Grid 2 Current	0.12 mA	Typical operating point; Power Amp.
Output Power	3.75 mW	Typical operating point; Power Amp.
Load Resistance	0.05 MOhm	Typical operating point; Power Amp.
Maximum Length	1.5 in	Maximum dimension
Maximum Width	0.385 in	Maximum dimension
Maximum Thickness	0.285 in	Maximum dimension

TUBE TINKER

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and their source documents.

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