



ELECTRONIC TUBE REFERENCE

CK525AX

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Directly heated Raytheon subminiature power-amplifier pentode using a 1.25 V, 20 mA filament and typical 22.5 V plate supply. Its low drain suits miniature battery-powered electronics.

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	330000 Ω
TRANSCONDUCTANCE	0.000325 S
<i>Published values are typical summary-table operating/characteristic data, not maximum ratings.</i>	

CK525AX is a directly heated Raytheon subminiature pentode listed for power amplifier service. The summary table specifies a 1.25-V, 20-mA filament and a typical 22.5-V plate operating point.

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	22.5 V	Typical operating point; Power Amp.
Grid 1 Voltage	-1.2 V	Typical operating point; Power Amp.
Grid 2 Voltage	22.5 V	Typical operating point; Power Amp.
Plate Current	0.25 mA	Typical operating point; Power Amp.
Grid 2 Current	0.06 mA	Typical operating point; Power Amp.
Output Power	2.2 mW	Typical operating point; Power Amp.
Load Resistance	0.06 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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