ELECTRONIC TUBE REFERENCE

CK521AX

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Directly heated Raytheon subminiature power-amplifier pentode with a 1.25 V, 50 mA filament and typical 22.5 V plate supply. Designed for miniature battery equipment.

General characteristics

BASE DESIGNATION	5J	**BASE PINS**	5
NOMINAL HEATER	1.25 V / 50 mA	**PARALLEL HEATER**	— / —
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Pentode	
PLATE RESISTANCE	220000 Ω
TRANSCONDUCTANCE	0.0004 S

Published values are typical summary-table operating/characteristic data, not maximum ratings.

CK521AX is a directly heated Raytheon subminiature pentode listed for power amplifier service. The summary table specifies a 1.25-V, 50-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	**-3 V**	Typical operating point; Power Amp.
Grid 2 Voltage	**22.5 V**	Typical operating point; Power Amp.
Plate Current	**0.8 mA**	Typical operating point; Power Amp.
Grid 2 Current	**0.22 mA**	Typical operating point; Power Amp.
Output Power	**6 mW**	Typical operating point; Power Amp.
Load Resistance	**0.02 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

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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