

ELECTRONIC TUBE REFERENCE

CK537AX

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Directly heated subminiature power pentode for compact low-power battery amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5E	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

SECTION1 Pentode	
PLATE RESISTANCE	220000 Ω
TRANSCONDUCTANCE	0.0004 S
Published subminiature operating-table characteristics; plate/screen voltages below are typical operating values, not promoted as maxima.	

Directly heated subminiature pentode for power 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	22.5 V	—
Grid 1 voltage	-1.5 V	—
Grid 2 voltage	22.5 V	—
Plate current	0.45 mA	—
Grid 2 current	0.12 mA	—
Power output	3.75 mW	—
Load resistance	0.05 MOhm	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	0.22 MOhm	—
Transconductance	400 uS	—