

ELECTRONIC TUBE REFERENCE

CK631

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Fast-warm-up sharp-cutoff subminiature pentode designed for VHF service with long life, stable performance, and high reliability under temperature and vibration. Its construction targets demanding professional high-frequency equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	340000 Ω
TRANSCONDUCTANCE	0.005 S
MAXIMUM PLATE DISSIPATION	1.85 W
Published electrical section from 7083.pdf; identical repeated sections compressed when applicable.	

Fast-warm-up sharp-cutoff subminiature pentode designed for VHF service with long life, stable performance, and high reliability under temperature and vibration.



SOURCE OPERATING CONDITIONS

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
Plate Voltage Eb: cenn 120 120	200 V	Plate Voltage Eb: cenn 120 120 200 Vdc
Plate Current (2): Ecl/Ib=50 pAdc 1.0 Ecl: -5.0 vees	-9 V	Plate Current (2): Ecl/Ib=50 pAdc 1.0 Ecl: -5.0 vees -9.0 Vdc
be vibrated in each of the three planes for 30 minutes at a fixed frequency between 50 and	60 Hz	then be vibrated in each of the three planes for 30 minutes at a fixed frequency between 50 and 60 cps for Vibration (1) and 450
ond	500 Hz	ond 500 cps for Vibration (2). The same tubes shall be used for both vibration tests.

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Capacitance: (Note 2) 4.0 Cin: 4.5 seee	5.6 pF	Capacitance: (Note 2) 4.0 Cin: 4.5 seee 5.6 pf

TUBE TINKER

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