



ELECTRONIC TUBE REFERENCE

6096

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Ruggedized sharp-cutoff miniature pentode for high-frequency wide-band radar and IF service in military and industrial airborne equipment. Low heater drain, high transconductance, and low capacitances support demanding broadband amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 175 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	340000 Ω
TRANSCONDUCTANCE	0.005 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	155 V
MAXIMUM PLATE DISSIPATION	1.65 W
MAXIMUM SCREEN DISSIPATION	0.55 W
MAXIMUM CATHODE CURRENT	20 mA
Alias/co-designation from 5654/6AK5W/6096 source.	

Ruggedized sharp-cutoff miniature pentode characterized by low heater power, high transconductance and low capacitances for high-frequency wide-band radar and IF service in military and industrial airborne equipment.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	175 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 3 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	175 mA	—
Plate voltage	120 V	ClassA
Screen voltage	120 V	ClassA
Cathode bias resistor	200 ohm	ClassA
Plate current	7.5 mA	ClassA
Screen current	2.5 mA	ClassA
Maximum plate voltage	200 V	—
Maximum screen voltage	155 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	1.65 W	—
Maximum screen dissipation	0.55 W	—
Maximum cathode current	20 mA	—

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker