

Remote- or semi-remote-cutoff pentode designed for RF, IF, variable-mu, or controlled-gain amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	100000 Ω
TRANSCONDUCTANCE	0.0043 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	3.5 W
MAXIMUM SCREEN DISSIPATION	0.6 W
MAXIMUM CATHODE CURRENT	20 mA
Published promoted fields populated semantically; identical repeated sections compressed.	

Premium remote-cutoff pentode for RF and IF amplifier service. Data was extracted from the supplied Tung-Sol source, including published ratings, characteristics, and operating information.



SOURCE OPERATING CONDITIONS

1958 Compagnie General

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

1958 COMPAGNIE GENERAL

Section 1 · Pentode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	300 mA	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	300 V	—
Maximum Screen Voltage	150 V	—



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	—



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	100000 ohm	PromotedValue
Transconductance	0.0043 A/V	PromotedValue
THE 5749/68A6W IS A RUGGEDIZED, REMOTE CUT-OFF PENTODE VOLTAGE AMPLIFIER – published value 1	6	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
THE 5749/68A6W IS A RUGGEDIZED, REMOTE CUT-OFF PENTODE VOLTAGE AMPLIFIER – published value 2	0	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
HEATER	6.3 VOLTS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
HEATER VOLTAGE	6.3 VOLTS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
HEATER CURRENT	3 AMP	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
PLATE	250 VOLTS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
CATHODE – published value 1	68 OHMS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
CATHODE – published value 2	6 OHMS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
PLATE RESISTANCE (APPROX.) – published value 1	0.25	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
PLATE RESISTANCE (APPROX.) – published value 2	1	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PLATE CURRENT – published value 1	10.8 mA	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
PLATE CURRENT – published value 2	11 mA	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
GRID #f	40 μMHOS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
HEATER – published value 1	5 mA	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
HEATER – published value 2	325 mA	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
PLATE CURRENT – published value 1	9.4 mAdc	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
PLATE CURRENT – published value 2	12.6 mAdc	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
TRANSCONDUCTANCE (i) – published value 1	3000	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
TRANSCONDUCTANCE (i) – published value 2	5200	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
SCREEN CURRENT – published value 1	5.6 mAdc	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
SCREEN CURRENT – published value 2	5 mAdc	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
TRANSCONDUCTANCE (3)	3	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
GRID CURRENT	2	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
TRANSCONDUCTANCE (1) – published value 1	1 μMHOS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
TRANSCONDUCTANCE (1) – published value 2	3000 μMHOS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
THE LATMO DE RESISTOR SN ALL BE SMUNTEO WI TM A CAPACITIVE REACTANCE NOT EXCEEDING j OHMS AT 60	60 OHMS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
Et = 0.3 Volts – published value 1	5000 Volts	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	PromotedValue
Maximum screen voltage	150 V	PromotedValue
Maximum plate dissipation	3.5 W	PromotedValue
Maximum screen dissipation	0.6 W	PromotedValue
Maximum cathode current	20 mA	PromotedValue
MAXIMUM	330 VOLTS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
MAXIMUM – published value 1	2 VOLTS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
MAXIMUM – published value 2	15 VOLTS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
MAXIMUM	3.3 WATTS	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
MAXIMUM – published value 1	2 WATT	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
MAXIMUM – published value 2	7 WATT	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.
MAXIMUM	165	OCR table transcription; verify against supplied datasheet layout where multiple columns represent operating conditions.

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