



ELECTRONIC TUBE REFERENCE

CV4085

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Rugged low-noise audio-frequency pentode designed for low-level LF amplifiers, with low hum and microphony.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.002 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	280 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM SCREEN DISSIPATION	0.2 W
MAXIMUM CATHODE CURRENT	60 mA
<i>Promoted fields mapped semantically from printed ratings/characteristics headings.</i>	

Rugged low-noise AF pentode with low hum and microphony for low-level low-frequency amplifiers.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode dissipation	1 W	Anode dissipation 1.0 W
Screen dissipation	0.2 W	Screen dissipation 0.2 W
DC cathodecurrent	60 mA	DC cathodecurrent 60 mA
External grid cathode resistor (py > 0	2 W	External grid cathode resistor (py > 0 2 W) 30 MQ
External grid cathode resistor (p, <	0.2 W	External grid cathode resistor (p, <0.2W) 10 M
Bulb temperature	165 degC	Bulb temperature 165 °C
Acceleration (continuous v;bratlon)	25 g	Acceleration (continuous v;bratlon) 25 g
DC anode supply voltage	200 V	DC anode supply voltage . . 200 V
External anode load resistor	100 kOhm	External anode load resistor 100 kQ
DC cathode current 1. 65	2.45 mA	DC cathode current 1. 65 2.45 mA
External screen resistor 0. 39	0.39 MOhm	External screen resistor 0. 39 0.39 MQ
220	220 kOhm	: 220 220 kQ
1.85 2.70 3.70 1.0 2.0 050 0.80	1.05 mA	 1.85 2.70 3.70 1.0 2.0 050 0.80 1.05 mA

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gridto anode {max)	0.05 pF	Gridto anode {max) 005 pF
Gridtoallllessanode	3.8 pF	Gridtoallllessanode 3.8 pF
Anodetoallllessgrid B	1 pF	Anodetoallllessgrid B1 pF

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
*¥Mutual conductance 1.55 2.00	2.45 mA	*¥Mutual conductance 1.55 2.00 2.45 mA/V
DC cathodecurrent	4 mA	DC cathodecurrent 4 mA
Mutuat conductance	20 mA	Mutuat conductance 20 mA/V

TUBE TINKER

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