

ELECTRONIC TUBE REFERENCE

1K5G

Voltage Pentode electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Directly heated Radiotron pentode for battery-powered Class A voltage amplification, using a 2 V, 120 mA coated filament. Can operate with screen and plate interconnected without creating an additional physical triode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	2 V / 120 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	1000000 Ω
TRANSCONDUCTANCE	0.00105 S
MAXIMUM PLATE VOLTAGE	180 V
MAXIMUM SCREEN VOLTAGE	135 V
MAXIMUM PLATE DISSIPATION	0.5 W
MAXIMUM SCREEN DISSIPATION	0.13 W
Radiotron 1K5-G directly heated 2 V, 120 mA Class A pentode with seven-pin octal base. Maximum anode 180 V, screen 135 V, plate dissipation 0.5 W, screen dissipation 0.13 W. At plate 135 V and screen 67.5 V: gm 0.00105 S and rp about 1 MΩ. Grid-plate capacitance 0.010 pF, input 6.0 pF and output 9.5 pF. Optional triode-connected operation is not a second physical section.	

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Amalgamated Wireless

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

1946 AMALGAMATED WIRELESS

Section 1 · Pentode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid To Plate Capacitance	0.01 pF	—
Input Capacitance	6 pF	—
Output Capacitance	9.5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen Voltage	67.5 V	—
Grid Voltage	0 V	—