ELECTRONIC TUBE REFERENCE

1F34

Voltage - Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Directly heated variable-mu pentode intended for RF and IF amplification. The variable-mu characteristic permits controlled receiver gain, while its filamentary construction supports compact low-power signal equipment.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	1.2 V / 30 mA	**PARALLEL HEATER**	– / –
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Pentode

PLATE RESISTANCE	250000 Ω
TRANSCONDUCTANCE	0.00075 S
AMPLIFICATION FACTOR	400
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	67.5 V
MAXIMUM PLATE DISSIPATION	0.35 W
MAXIMUM SCREEN DISSIPATION	0.11 W
MAXIMUM CATHODE CURRENT	5.5 mA

Published ratings and characteristics promoted from the approved TESLA source.

Directly heated variable-mu pentode for RF and IF amplification.

SOURCE OPERATING CONDITIONS

195X Tesla

SOURCE PDF

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

195X TESLA

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate Current	**3.5 mA**	Plate 90 V; Screen 67.5 V
Input Capacitance	**4.2 pF**	—
Output Capacitance	**7.5 pF**	—

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1969 Tesla Manual of Electronic Tubes

SOURCE PDF

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

1969 TESLA MANUAL OF ELECTRONIC TUBES

Section 1 · Pentode

APPLICATION		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Application	**RF_IF_Amplifier text**	—

TUBE TINKER

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