



ELECTRONIC TUBE REFERENCE

5889

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Subminiature electrometer pentode with exceptionally low filament-current requirements. Designed for ultra-low-current measurement circuits, it serves sensitive electrometer instrumentation where input loading and heater power must be kept extremely small.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.25 V / 7.5 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.00001 S
AMPLIFICATION FACTOR	250
MAXIMUM PLATE VOLTAGE	12 V
MAXIMUM CATHODE CURRENT	0.2 mA
<i>Published maximum ratings and characteristics promoted from the approved source; repeated identical sections compressed where applicable.</i>	

Subminiature electrometer pentode with very low filament current for ultra-low-current measurement service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	1.25 V	Nominal
HeaterCurrentNominal	7.5 mA	Nominal
Maximum Plate Voltage	12 V	—
Maximum Cathode Current	0.2 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	10 μ S	Typical
Amplification Factor	250	Typical

TUBE TINKER

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and their source documents.

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