

ELECTRONIC TUBE REFERENCE

6419

Voltage Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Ultra-low-drain directly heated subminiature pentode for voltage amplification in portable and wearable equipment, using only a 0.625 V, 10 mA filament.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	0.625 V / 10 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	2000000 Ω
TRANSCONDUCTANCE	0.0001 S
MAXIMUM PLATE VOLTAGE	25 V
MAXIMUM SCREEN VOLTAGE	25 V
MAXIMUM CATHODE CURRENT	0.1 mA
Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed where applicable.	

Directly heated subminiature voltage-amplifier pentode for portable and wearable equipment.

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	0.625 V	Published nominal or representative value
Heater or filament current	10 mA	Published nominal or representative value
Transconductance	100 μS	Published operating characteristic