

ELECTRONIC TUBE REFERENCE

6059

Voltage Pentode - High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Low-microphony high-frequency pentode designed for signal amplification where mechanical vibration must produce minimal electrical disturbance. Its manufacturer registration emphasizes reduced microphonic response as a distinguishing characteristic for sensitive HF circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9BC	BASE PINS	9
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	2500000 Ω
TRANSCONDUCTANCE	0.00195 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	2.05 W
MAXIMUM SCREEN DISSIPATION	0.7 W
Published source values promoted where applicable.	

Low-microphony HF pentode; description derived from the supplied registration datasheet.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	4.25 pF	—
Output capacitance	4 pF	—
Grid-to-plate capacitance	0.014 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Screen voltage	100 V	ClassA
Control-grid bias	-3 V	ClassA
Plate current	2.1 mA	ClassA
Screen current	0.6 mA	ClassA
Plate resistance	2500000 ohm	ClassA
Transconductance	1250 uS	ClassA