



ELECTRONIC TUBE REFERENCE

6E7

Voltage Pentode - Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Remote-cutoff RF pentode for variable-gain Class-A amplification with broad automatic-volume-control range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7H	BASE PINS	7
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	800000 Ω
TRANSCONDUCTANCE	0.0016 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	100 V
Remote-cutoff RF pentode for variable-gain Class-A amplification.	

Remote-cutoff RF pentode for variable-gain Class-A amplification. Published maximum ratings, characteristics, and representative operating conditions were extracted from the approved source page where available.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Screen voltage	100 V	ClassA
Control-grid bias magnitude	3 V	ClassA
Plate current	8.2 mA	ClassA
Screen current	2 mA	ClassA
Plate resistance	800000 ohm	ClassA
Transconductance	1600 uS	ClassA

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	5.2 pF	—
Output capacitance	6.8 pF	—
Grid-to-plate capacitance	0.001 pF	—