



ELECTRONIC TUBE REFERENCE

5961

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEPTODE

Industrial pentagrid converter for oscillator and mixer service in communications or specialized receiving equipment. Its multi-grid construction provides frequency conversion with high plate resistance and conventional operating voltages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8R	BASE PINS	8
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 Heptode	
PLATE RESISTANCE	1000000 Ω
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	100 V
<i>Pentagrid converter; published 450-uS conversion transconductance retained as a parameter rather than promoted as ordinary transconductance.</i>	

Pentagrid converter identified as a special 6SA7 type, with converter operating characteristics.

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 · Heptode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	Converter
Screen Voltage	100 V	Converter
Grid Voltage	-2 V	Converter
Plate Current	3.5 mA	Converter
Screen Current	8.5 mA	Converter
Conversion Transconductance	450 μ S	Converter

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