



ELECTRONIC TUBE REFERENCE

6AR7GT

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-PENTODE

Double-diode remote-cutoff pentode combining radio detection and AVC rectification with gain-controlled receiver amplification. The variable-mu pentode supports smooth automatic gain control while the paired diodes provide detector functions.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Pentode

TRANSCONDUCTANCE	0.0025 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	100 V

Promoted values from 6AR7GT.pdf; section type follows printed electrode/function description.

SECTION2 Diode

No fixed ratings recorded.

Promoted values from 6AR7GT.pdf; section type follows printed electrode/function description.

SECTION3 Diode

No fixed ratings recorded.

Promoted values from 6AR7GT.pdf; section type follows printed electrode/function description.

Duo-diode pentode, remote cut-off type.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Amalgamated Wireless

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

1946 AMALGAMATED WIRELESS

Section 1 · Pentode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	5 pF	Direct interelectrode capacitance
Output capacitance	9 pF	Direct interelectrode capacitance



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 voltage	-2 V	ClassA
Plate current	7 mA	ClassA
Screen current	1.8 mA	ClassA

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

OTHER		
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