



ELECTRONIC TUBE REFERENCE

12C8GT

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-PENTODE

GT-envelope double-diode pentode for detector, AVC, and low-frequency voltage-amplifier functions. Two diodes perform detection and control rectification while the pentode supplies subsequent LF gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	12.6 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

MAXIMUM CATHODE CURRENT	1 mA
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Two similar diode sections; represented once under identical-section compression.

SECTION2 Pentode

PLATE RESISTANCE	600000 Ω
TRANSCONDUCTANCE	0.00112 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	2.25 W
MAXIMUM SCREEN DISSIPATION	0.3 W

Published Ferranti ratings and characteristics promoted where applicable; additional operating and application data retained as parameters.

SECTION3 Diode

No fixed ratings recorded.

Second physical detector diode; duplicated from identical diode section.

The BRIMAR 12C8GT is a double-diode amplifier pentode with a 12.6 V, 0.15 A heater and a pentode section having 0.6 megohm anode impedance.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1948 Brimar Radio Valve Manual

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

1948 BRIMAR RADIO VALVE MANUAL

Section 2 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Voltage	250 V	—
Anode Current	9 mA	—
Screen Voltage	125 V	—
Screen Current	2.3 mA	—
Control Grid Voltage	-3 V	—
Cathode Bias Resistor	250 ohm	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Ferranti Technical Handbook

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

1961 FERRANTI TECHNICAL HANDBOOK

Section 1 · Diode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Detector / AVC	—

1961 FERRANTI TECHNICAL HANDBOOK

Section 2 · Pentode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	LF amplifier	—

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