



ELECTRONIC TUBE REFERENCE

1C7GETC

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEPTODE

Directly heated 2 V pentagrid frequency converter, using 1C7G-equivalent electrical specifications; octal base and miniature top cap.

GENERAL CHARACTERISTICS

BASE DESIGNATION	G-7Z	BASE PINS	8
NOMINAL HEATER	2 V / 120 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Heptode	
PLATE RESISTANCE	600000 Ω
TRANSCONDUCTANCE	0.00044 S
MAXIMUM PLATE VOLTAGE	180 V
MAXIMUM SCREEN VOLTAGE	67.5 V
MAXIMUM PLATE DISSIPATION	0.3 W
MAXIMUM SCREEN DISSIPATION	0.2 W
MAXIMUM CATHODE CURRENT	9 mA
<i>Electrical ratings adopted from existing 1C7G section (ID 6460), as approved. Conversion transconductance; oscillator and mixer pentagrid/heptode. Attached bulletin does not explicitly identify suffix ETC.</i>	

SOURCE OPERATING CONDITIONS

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Oscillator grid current	0.2 mA	1C7G equivalent; Converter
Grid resistor	50000 Ω	1C7G equivalent; Converter
Plate voltage	180 V	1C7G equivalent; Converter
Screen voltage	67.5 V	1C7G equivalent; Converter
Control-grid voltage	-3 V	1C7G equivalent; Converter
Plate current	1.5 mA	1C7G equivalent; Converter
Screen current	2 mA	1C7G equivalent; Converter
Oscillator-plate voltage	180 V	1C7G equivalent; Converter
Oscillator-plate series resistance	20000 Ω	1C7G equivalent; Converter
Oscillator-plate current	4 mA	1C7G equivalent; Converter

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	700000 Ω	1C7G equivalent; Converter
Conversion transconductance	325 μS	1C7G equivalent; Converter

TUBE TINKER

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