

ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA

1LC5

1 SECTION
CONSTRUCTION
PENTODE

Voltage Pentode - Sharp Cutoff (single) electronic tube

Directly heated sharp-cutoff RF pentode for small-signal amplification in low-drain battery receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7A0	BASE PINS	8
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	1000000 Ω
TRANSCONDUCTANCE	0.000775 S
MAXIMUM PLATE VOLTAGE	110 V
MAXIMUM SCREEN VOLTAGE	45 V
Sharp-cutoff pentode.	

1LC5 is listed as a sharp-cutoff rf pentode in the supplied receiving-tube handbook. It uses a 1.4 V, 0.05 A directly heated filament. The handbook publishes maximum ratings and representative operating characteristics for its intended service.

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
Maximum plate voltage	110 V	Published handbook rating
Maximum screen voltage	45 V	Published handbook rating
Plate voltage	90 V	ClassA
Screen voltage	45 V	ClassA
Control-grid voltage	0 V	ClassA
Plate current	1.7 mA	ClassA
Screen current	0.4 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	1000000 ohm	Published handbook characteristic
Transconductance	800 μ S	Published handbook characteristic
Filament voltage	1.4 V	DirectlyHeated DC filament
Filament current	50 mA	DirectlyHeated DC filament