

ELECTRONIC TUBE REFERENCE

CK5889

Voltage - Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Subminiature directly heated electrometer pentode designed for measurement of extremely small currents, with exceptionally low control-grid current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4G	BASE PINS	4
NOMINAL HEATER	1.25 V / 7.5 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	18000000 Ω
TRANSCONDUCTANCE	0.000014 S
MAXIMUM PLATE VOLTAGE	12 V
MAXIMUM SCREEN VOLTAGE	4.5 V
Promoted only from clearly identified printed electrical values; additional values retained in TUBE_SECTION_PARAMETER.	

Subminiature directly heated electrometer pentode with extremely high plate resistance and ultra-low grid current.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	12 V	Electrometer
Control-grid voltage	-2 V	Electrometer
Screen voltage	4.5 V	Electrometer
Plate current	0.005 mA	Electrometer
Screen current	0.005 mA	Electrometer
Maximum control-grid current	0.000000000003 mA	Electrometer

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	18 MΩ	Electrometer
Transconductance	14 μS	Electrometer

TUBE TINKER

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and their source documents.

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