ELECTRONIC TUBE REFERENCE

6006

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

> Remote- or semi-remote-cutoff pentode designed for RF, IF, variable-mu, or controlled-gain amplifier service.

General characteristics

BASE DESIGNATION	8BK	**BASE PINS**	—
NOMINAL HEATER	6.3 V / 300 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

8BK - Terminal pinout

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 — SH	A	SH — Internal Shield	CONNECTED
PIN2 — H	—	H — Heater	CONNECTED
PIN3 — G3	A	G3 — Suppressor Grid	CONNECTED
PIN3 — K	A	K — Cathode	CONNECTED
PIN4 — G1	A	G1 — Control Grid	CONNECTED
PIN5 — G3	A	G3 — Suppressor Grid	CONNECTED
PIN5 — K	A	K — Cathode	CONNECTED
PIN6 — G2	A	G2 — Screen Grid	CONNECTED
PIN7 — H	—	H — Heater	CONNECTED
PIN8 — P	A	P — Plate (Anode)	CONNECTED

Section ratings

SECTION1 Pentode

PLATE RESISTANCE	1000000 Ω
TRANSCONDUCTANCE	0.004 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	200 V

Semi-remote-cutoff RF pentode; promoted values from published maximum and Class-A row.

6006 is a semi-remote-cutoff rf pentode; special 6sg7 type. The RCA table provides heater data, maximum electrode ratings, capacitances where published, and representative Class-A operating characteristics.

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

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Input capacitance	**8.5 pF**	—
Output capacitance	**7 pF**	—
Grid-to-plate capacitance	**0.004 pF**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate voltage	**250 V**	ClassA
Screen voltage	**150 V**	ClassA
Control-grid bias	**-2.5 V**	ClassA
Plate current	**9.2 mA**	ClassA
Screen current	**3.4 mA**	ClassA
Plate resistance	**1000000 ohm**	ClassA
Transconductance	**4000 uS**	ClassA

TUBE TINKER

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