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TUBE TYPE 6CV7

The 6CV7 is a double diode high mu triode.

PHYSICAL SPECIFICATIONS

Cathode	Coated unipotential
Base	E8-30
Bulb	Glass
Maximum overall length	2-3/8" { 60mm }
Maximum seated height	2-1/16" { 53mm }
Maximum diameter	7/8" { 22mm }
Mounting position	Any

BASING CONNECTIONS 8GZ

Pin 1	Heater	Pin 5	Diode Plate No. 2
Pin 2	Triode Plate	Pin 6	Diode Plate No. 1
Pin 3	Grid	Pin 7	Cathode
Pin 4	Internal shield	Pin 8	Heater

GENERAL ELECTRICAL DATA

Heater voltage	6.3	volts
Heater current	0.23	amps

ELECTRODE CAPACITANCES

Diode Plate No. 1 to Triode Grid	<0.007	μμF
Diode Plate No. 2 to Triode Grid	<0.03	μμF
Diode Plate to Triode Plate	<0.01	μμF
Triode Grid to Cathode	2.75	μμF
Triode Plate to Cathode	1.5	μμF
Triode Plate to Grid	1.3	μμF
Triode Grid to heater	<0.05	μμF
Diode Plate No. 1 to Cathode	0.8	μμF
Diode Plate No. 2 to Cathode	0.7	μμF
Diode Plate No. 1 to Diode Plate No. 2	<0.3	μμF
Diode Plate No. 1 to heater	<0.1	μμF
Diode Plate No. 2 to heater	<0.05	μμF

MAXIMUM RATINGS (Design centre values)Triode Section

Plate supply voltage	550	volts
Plate voltage	300	volts
Plate dissipation	1	watts
Cathode current	5.0	ma
Grid Circuit resistance (with self bias)	3	megohms
Voltage between heater and cathode	100	volts
External resistance between heater and cathode	20,000	ohms

Diode Sections

Peak plate voltage	200	volts
Plate current	0.8	ma

CHARACTERISTICS

Plate voltage	250	volts
Plate current	1.0	ma
Grid voltage	-3.0	volts
Transconductance	1,300	μ mhos
Plate resistance	54,000	ohms
Amplification factor	70	



