

TUBE TYPE 14L7

The 14L7 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	14	volts
Heater current	0.1	amps

ELECTRODE CAPACITANCES

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

MAXIMUM RATINGS (Design Centre Values)

Triode Section

Plate supply voltage	550	volts
Plate voltage	250	volts
Plate dissipation	1	watts
Cathode current	5.0	ma
Grid circuit resistance (with self bias)	3	megohms
Voltage between heater and cathode	150	volts
External resistance between heater and cathode	20,000	ohms.

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Diode Sections

Peak plate voltage	200	volts
Plate current	0.8	ma.

CHARACTERISTICS

Plate voltage	170	volts
Plate current	1.5	ma
Grid voltage	-1.6	volts
Transconductance	1,650	μ mhos
Plate resistance	42,000	ohms
Amplification factor	70	



