

Table 1

DC Anode Volts	125		250		$R_{\xi 1}$ M Ω	E_{cc1} volts	$R_{\xi 2}^*$ ohms	E_{cc2} volts
DC Anode Amperes	0.5	1.0	0.5	1.0				
DEIONIZATION TIME	175	225	250	275	0.001	-13	1000	0
	350	375	450	475	0.1			
	650	700	1100	1200	2			
μ S (Approx.)	100	125	100	125	0.001	-100	1000	0
	125	150	150	175	0.1			
	250	275	275	300	2			

* Series resistor between grid No.2 and cathode.

6021	Refer to chart at end of section.
6072	Refer to chart at end of section.
6072A	Refer to chart at end of section.
6073	Refer to chart at end of section.
6073/0A2	Refer to chart at end of section.
6074	Refer to chart at end of section.
6074/0B2	Refer to chart at end of section.

6080

INDUSTRIAL
TYPE

LOW-MU TWIN POWER TRIODE

Glass octal type used as a regulator tube in dc power supply units and in projection television booster scanning applications. Outlines section, 36; requires octal socket.

Heater Voltage	6.3 $\pm$ 10%	volts
Heater Current	2.5	amperes
Heater-Cathode Voltage: #		
Peak	$\pm$ 300 max.	volts
Direct Interelectrode Capacitances (Approx.)		
Grid to Plate (each unit)	8	pF
Input (each unit)	6	pF
Output (each unit)	2.2	pF
Heater to Cathode (each unit)	11	pF
Grid of Unit No.1 to Grid of Unit No.2	0.5	pF
Plate of Unit No.1 to Plate of Unit No.2	2	pF

Class A₁ Amplifier (Each Unit)

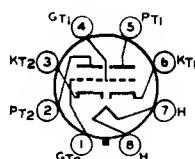
CHARACTERISTICS

Plate-Supply Voltage	135	volts
Cathode-Bias Resistor	250	ohms
Amplification Factor	2	
Plate Resistance	280	ohms
Transconductance	7000	μ mhos
Plate Current	125	mA

DC Amplifier (Each Unit)

MAXIMUM RATINGS (Absolute-Maximum Values)

Plate Voltage	250	volts
Plate Current	125	mA
Plate Dissipation	13	watts
Bulb Temperature (At hottest point on bulb surface)	200	$^{\circ}$ C



8BD

MAXIMUM CIRCUIT VALUES

Grid-Circuit Resistance:

For cathode-bias operation	1	megohm
For fixed-bias operation [□]	0.1	megohm
For combined fixed and cathode-bias operation*	0.1	megohm

Booster Scanning Service (Each Unit)**MAXIMUM RATINGS (Absolute-Maximum Values)**

For operation in a 525-line, 30-frame system

Peak Negative-Pulse Plate Voltage●	3000	volts
Peak Negative-Pulse Grid Voltage	2300	volts
DC Plate Current	125	mA
Plate Dissipation	13	watts

MAXIMUM CIRCUIT VALUES (For maximum rated conditions)

Grid-Circuit Resistance:

For cathode-bias operation	1	megohm
For fixed-bias operation	not recommended	

□ When fixed bias is used, the plate circuit should contain a protective resistance to provide a minimum drop of 15 volts dc at the normal operating conditions.

* When combined fixed- and cathode-bias is used, the cathode-bias portion should have a minimum value of 7.5 volts dc at the normal operating conditions.

● Pulse duration must not exceed 15 per cent of one horizontal scanning cycle (10 microseconds).

Operation of this tube is not recommended with a damper pulse between heater and cathode.

Special Ratings & Performance Data**SHOCK RATING**

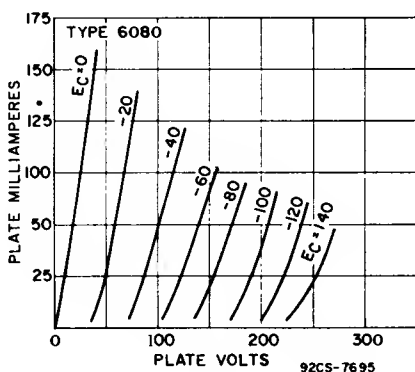
Impact Acceleration	450 max.	g
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FATIGUE RATING

Vibrational Acceleration	2.5 max.	g
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LOW-FREQUENCY VIBRATION PERFORMANCE

RMS Output Voltage	200 max.	mV
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Refer to chart at end of section.

6080WA

Refer to chart at end of section.

6082

Refer to chart at end of section.

6101

Refer to chart at end of section.

6101/6J6WA

Refer to chart at end of section.

6111