

$$\overline{I}_{G_2} \quad ?$$

Typical operating conditions and characteristics, etc. (Continued)

Transconductance	3700	4100	μmhos
Load resistance	5500	5000	ohms
Maximum-signal power output	2.0	4.5	watts
Total harmonic distortion (approx.)	8	8	%

Ratings Vertical Deflection Amplifier §, Triode connected (Design-Maximum)

Maximum DC plate voltage	275	volts
Maximum peak positive voltage	1100	volts
Maximum plate dissipation *	10	watts
Maximum peak negative grid No. 1 voltage	275	volts
Maximum average cathode current	40	ma
Maximum peak cathode current	115	ma
Maximum grid circuit resistance (cathode bias)	2.2	megohms
Maximum bulb temperature at hottest point	250	°C

Average characteristics - Triode connected

Plate voltage	250	volts
Grid voltage	-12.5	volts
Plate current	49.5	ma
Transconductance	4800	μmhos
Amplification factor	9.5	
Plate resistance (approx.)	1970	ohms
Grid voltage (approx.) for Ib = 0.5 ma	-37	volts

§ For operation in a 525 line, 30-frame system as described in "Standards of Good Engineering Practice for Television Broadcasting Stations; Federal Communications Commission." The duty cycle of the voltage pulse not to exceed 15% of a scanning cycle.

* In stages operating with grid-leak bias, an adequate cathode bias resistor or other suitable means is required to protect the tube in the absence of excitation.

Refer to "Interpretation of Receiving Tube Ratings"